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**CROTON POINT SANITARY LANDFILL & RAILROAD 1 LANDFILL
NYSDEC Site #360001**

POST CLOSURE MONITORING AND SAMPLING REPORT

Fifth Quarter Reporting
October 2022

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I. Introduction & Purpose

Pursuant to the Post Closure Monitoring and Sampling Program presented in the Croton Point Sanitary Landfill and the Railroad 1 Operation and Maintenance Manuals, environmental sampling occurs during the fifth quarter. This Report provides data for samplings taken in June and July 2022.

The environmental media sampled and the results contained herein include groundwater, surface water, marsh sediments, and leachate, and were analyzed for baseline parameters.

The analytical results contained herein are presented to:

- Fulfill the requirements of the Post Closure Monitoring and Sampling Program as outlined in the Closure Operation and Maintenance Manuals.
- Present the results of laboratory sample analysis for this sampling event.

II. Post-Closure Sampling Methodology

The sampling and laboratory analysis presented herein were conducted as described in the Environmental Monitoring Program section of both the Croton Point Sanitary Landfill Operation and Maintenance Manual and the Railroad 1 Landfill Operation and Maintenance Manual. The Westchester County Bureau of Labs and Research provided all sampling reports. Anomalies and comments regarding testing are included in the analysis reports attached hereto as Appendices A-C.

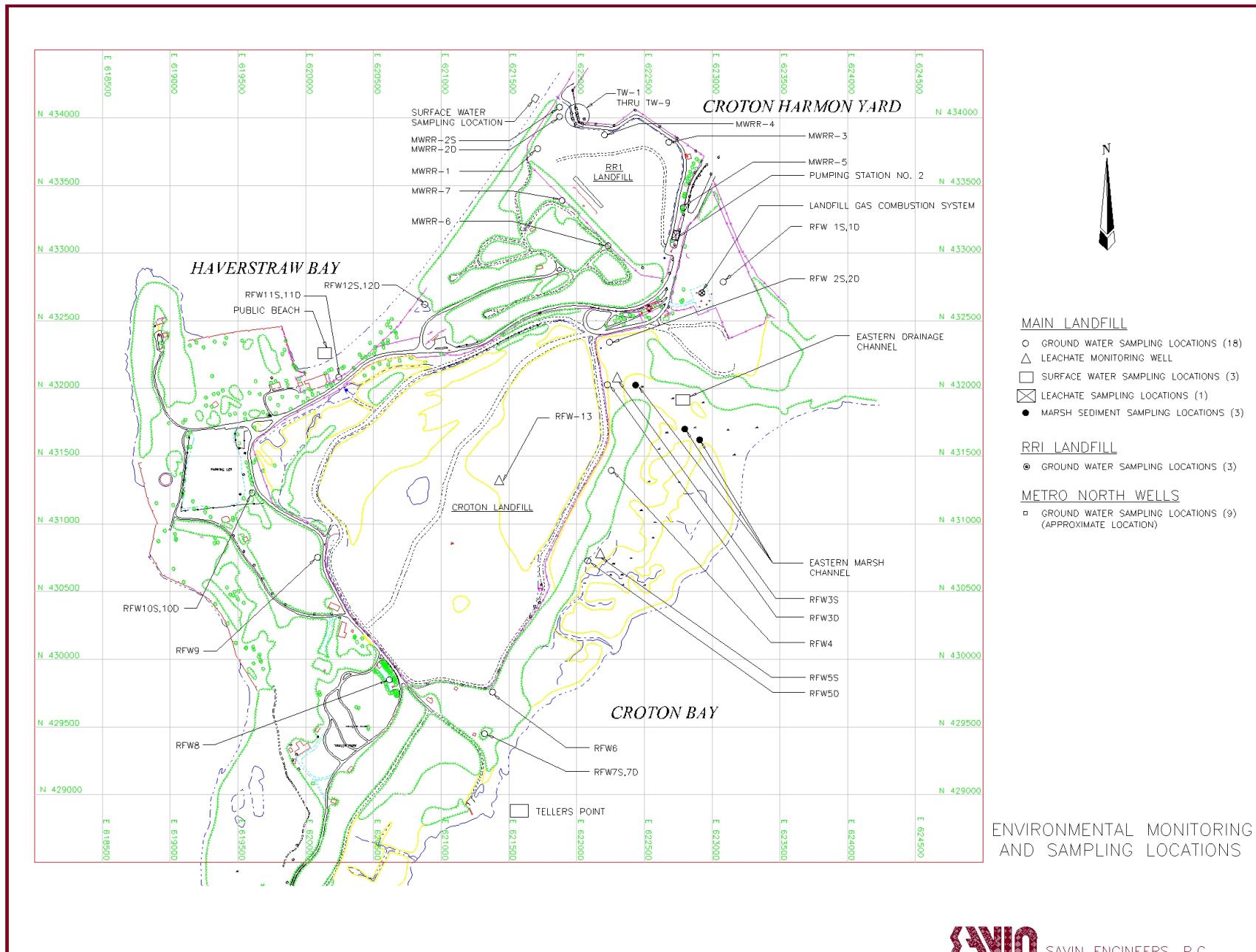
a. Sample Nomenclature

As described in the Post Closure Monitoring and Sampling Program, the following sample nomenclature was used in collecting samples and presenting laboratory analytical results, except where noted:

- Duplicate samples are denoted by capital letters A and B
- Surface Water Samples
 - Tellers Point = SRF-1
 - Public Beach = SRF-2
 - Eastern Channel of Croton Marsh = SRF-3
- Groundwater samples are identified by the respective number of the well from which they were taken, as designated on the following location map.

Croton Point Sanitary Landfill & Railroad 1 Landfill
 NYSDEC Site #360001
 Post Closure Monitoring and Sampling Report

b. Environmental Sampling and Locations Map



III. Groundwater Sampling & Inspections

As part of the post closure monitoring effort 17 groundwater monitoring wells are sampled for the Croton Landfill, and eight (8) groundwater monitoring wells are sampled for the Railroad 1 Landfill. In this round of sampling, 1,4 Dioxane was added to the list of constituents for which testing occurs. Testing for 1,4 Dioxane will be conducted at each sampling event going forward. The results are added to the tables. It is noted that the lab to which the samples were sent provided estimated ("E") results for some wells. The wells selected for sampling were installed during the RIFS effort and are identified as groundwater monitoring wells. The results of the sample analysis are presented in Table 1 for Croton and in Table 6 for Railroad 1.

As part of the groundwater sampling effort, the condition of monitoring wells was inspected and remains unchanged. Monitoring wells RFW-3S, 5S, 9, and 13 are identified in the RIFS report as leachate sampling points, but there is no leachate being produced in these wells and they are, therefore, are not included in groundwater sampling. However, these leachate monitoring wells were physically inspected and their condition remains unchanged.

IV. Surface Water Sampling

Post-closure monitoring includes sampling of three surface water monitoring locations. These sites were selected to provide representative samples from areas most susceptible to possible impact from the landfill, i.e. the public beach (SRF-2) and eastern channel of Croton Marsh (SRF-3), and to provide a location for background surface water quality monitoring, Tellers Point (SRF-1). Duplicate samples were taken at SRF-1 and 3. SRF-2A and B were taken at opposite ends of the bathing beach. Sampling results are provided in Table 2 for Croton and Table 7 for the Railroad Landfill.

V. Sediment Sampling

Post-closure monitoring included three locations for sediment sampling. The results of sediment sample analysis are presented in Table 3.

VI. Leachate Sampling

Pump Station 2 (PS2) was selected as the leachate sampling point for the Post Closure Monitoring Program. PS2 accepts flow from all potential sources in the leachate collection system and is therefore representative of overall wastewater discharge quality. The results of Post Closure leachate sample analysis are presented in Tables 4a for the Pump Station and 4b for the Railroad Sump. The tables also include the Daily Limits for the Wastewater Discharge Permit for comparison.

VII. Leachate Collection System Metro-North Source Contributions

On July 17, 1999, Metro-North Railroad ceased operation of its Harmon Wastewater Treatment Plant, and diverted the sewage flow to the Croton Point Park sewer system, at a point upstream of Pump Station #2 (the leachate sampling point). Table 5 provides the sewage contribution from the Metro-North connection provided from the daily readings as taken by Metro-North personnel and transmitted to DEF's Wastewater Division.

VIII. Recommendations for Modifications to Sampling Protocol

As noted above, 1,4 Dioxane was added to the list of constituents for which testing occurs, and testing for 1,4 Dioxane will be conducted during future each sampling events.

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-1D): Groundwater

Constituent:	DL/LOQ	Units	RFW-1D	RFW-1D	RFW-1D	RFW-1D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/6/2021	6/30/2022
Diameter (Inches):			4"	4"	4"	4"
Well Depth, Tow (ft.):			50.90'	50.90'	50.90'	50.90'
Depth to Water, Tow (ft.)			1.25'	1.2'	1.60'	2.00'
Water Level Elevation (ft.):			49.65'	49.7'	49.3'	48.90'
TOC - TOW (ft.):			1.60'-1.25'	1.5'-1.2'	1.1'-1.6'	2.50'-2.00'
Boron	100	ug/L	<LOQ	880	962	1360
Calcium	1000	ug/L	190000	147000	165000	197000
Iron	50	ug/L	1880	1650	2210	2700
Magnesium	1000	ug/L	422000	334000	379000	421000
Potassium	100	ug/L	79000	117000	141000	87900
Sodium	1000	ug/L	188000	1500000	1910000	1820000
Aluminum	50	ug/L	111	70.7	<LOQ	53.8
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	13.1
Barium	10	ug/L	87	78.4	98.3	86.5
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	92.1	89.7	187
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	1610	1580	1670	1470
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	35.3	21.3	23	39.7
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500	Invalid
BioChemical Oxygen Demand	2	mg/L	<LOQ	16	4.4	5.5
Asp Calcium by ICP-AES	1000	ug/L	190000	147000	165000	197000
Chloride - ASP	5	mg/L	115	98	3780	3700
ASP Total Cyanide	0.01	mg/L	0.023	0.034	0.018	<LOQ
Chemical Oxygen Demand	5	mg/L	250	240	270	60
Color, Apparent	1	units	50	20	70	100
ASP Hardness as Calcium Carbonate	1	mg/L	2200	1700	2000	2200
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	0.5	<LOQ	0.224	<LOQ
ASP Magnesium	1000	ug/L	422000	33400	379000	421000
Ammonia as N	0.05	mg/L	73.9	88.1	87.2	88.9
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ	0.0796
Corrosivity/pH	0.1	units	7.28	7.33	7.24	7.05

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
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Constituent:	DL/LOQ	Units	RFW-1D	RFW-1D	RFW-1D	RFW-1D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/6/2021	6/30/2022
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.013	0.01	0.179
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	1.46	1.89	1.46	1.29
Total Dissolved Solids	2	mg/L	8100	6370	7500	8373.3
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	110	102	110	104
Total Organic Carbon	0.1	mg/L as C	30.5	14.8	6.61	7.97
Turbidity	0.02	NTU	4.82	1.32	27	27.1
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
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Constituent:	DL/LOQ	Units	RFW-1D	RFW-1D	RFW-1D	RFW-1D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/6/2021	6/30/2022
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-1S): Groundwater

Constituent:	DL/LOQ	Units	RFW-1S	RFW-1S	RFW-1S	RFW-1S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/6/2021	6/30/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			17.85'	17.85'	17.85'	17.85'
Depth to Water, Tow (ft.)			7.50'	5.5'	5.9'	6.60'
Water Level Elevation (ft.):			10.35'	12.35'	11.95'	11.25'
TOC - TOW (ft.):			6.10'-7.50'	5.8'-5.5'	6.2'-5.9'	6.80'-6.60'
Boron	100	ug/L	526	466	448	428
Calcium	1000	ug/L	119000	108000	125000	133000
Iron	50	ug/L	29900	38600	52200	51300
Magnesium	1000	ug/L	48500	39500	45300	46500
Potassium	100	ug/L	12800	9720	10200	10400
Sodium	1000	ug/L	74200	53900	58400	60000
Aluminum	50	ug/L	139	401	1080	896
Antimony	20	ug/L	<LOQ	12.2	13.8	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	2370	2920	2760	2810
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	21	12.9
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	76.6	211	186
Lead	10	ug/L	91.2	327	1090	778
Manganese	10	ug/L	95.7	116	237	175
Nickel	10	ug/L	<LOQ	12.5	28	24.5
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	91.6	375	918	778
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	<LOQ	12.3	2.1	7
Asp Calcium by ICP-AES	1000	ug/L	119000	108000	125000	133000
Chloride - ASP	5	mg/L	150	104	115	100
ASP Total Cyanide	0.01	mg/L	0.01	0.013	0.012	<LOQ
Chemical Oxygen Demand	5	mg/L	52	53	72	38
Color, Apparent	1	units	35	20	150	400
ASP Hardness as Calcium Carbonate	1	mg/L	500	430	500	520
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	0.439	1.26	3.82	2.97
ASP Magnesium	1000	ug/L	48500	39500	45300	46500
Ammonia as N	0.05	mg/L	13.2	13.3	12.9	15.4
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-1S): Groundwater

Constituent:	DL/LOQ	Units	RFW-1S	RFW-1S	RFW-1S	RFW-1S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/6/2021	6/30/2022
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ	0.0575
Corrosivity/pH	0.1	units	6.9	6.94	6.79	6.59
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.007	Not Detected	0.0088
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	<LOQ	1.57	1.48	1.6
Total Dissolved Solids	2	mg/L	786.7	724	752	804
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	18.4	19.2	16.9	15.6
Total Organic Carbon	0.1	mg/L as C	17.5	13.3	7.13	15.7
Turbidity	0.02	NTU	17.9	18.6	332	230
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	59.8	137	18.9
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-1S): Groundwater

Constituent:	DL/LOQ	Units	RFW-1S	RFW-1S	RFW-1S	RFW-1S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/6/2021	6/30/2022
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromo(chloromethane)	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromo(chloromethane)	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	0.31	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-1S): Groundwater

Constituent:	DL/LOQ	Units	RFW-1S	RFW-1S	RFW-1S	RFW-1S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/6/2021	6/30/2022
1,4 Dioxane	1	ug/L				2

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-2D): Groundwater

Constituent:	DL/LOQ	Units	RFW-2D	RFW-2D	RFW-2D	RFW-2D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/10/2021	6/30/2022
Diameter (Inches):			4"	4"	4"	4"
Well Depth, Tow (ft.):			85.40'	85.40'	85.40'	85.40'
Depth to Water, Tow (ft.)			6.50'	6.4'	6.8'	6.90'
Water Level Elevation (ft.):			78.9'	79'	78.6'	78.50'
TOC - TOW (ft.):			6.90'-6.50'	6.8'-6.4'	7.2'-6.8'	7.20'-6.90'
Boron	100	ug/L	<LOQ	96.1	86.8	<LOQ
Calcium	1000	ug/L	112000	120000	132000	1143000
Iron	50	ug/L	6890	7100	8470	6970
Magnesium	1000	ug/L	41500	44500	49600	40900
Potassium	100	ug/L	9750	11700	11400	8680
Sodium	1000	ug/L	186000	192000	188000	147000
Aluminum	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	343	379	430	305
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	590	673	718	493
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	456	460	465	472
BioChemical Oxygen Demand	2	mg/L	<LOQ	3.4	3.7	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	112000	120000	132000	113000
Chloride - ASP	5	mg/L	415	390	420	390
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.005	<LOQ
Chemical Oxygen Demand	5	mg/L	18	23	27	27
Color, Apparent	1	units	25	15	350	50
ASP Hardness as Calcium Carbonate	1	mg/L	450	480	530	450
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	41500	44500	49600	40900
Ammonia as N	0.05	mg/L	4.18	7.5	6.15	5.06
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	0.0188	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	1.57	<LOQ
Corrosivity/pH	0.1	units	7.27	7.15	6.98	6.79
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.004	Not Detected	0.0204

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-2D): Groundwater

Constituent:	DL/LOQ	Units	RFW-2D	RFW-2D	RFW-2D	RFW-2D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/10/2021	6/30/2022
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Total Dissolved Solids	2	mg/L	1152	930	1156	1114.7
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	4.97	5.46	6.9	6.6
Total Organic Carbon	0.1	mg/L as C	2	1.94	1.83	3.77
Turbidity	0.02	NTU	8.91	4.23	142	70.4
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-2D): Groundwater

Constituent:	DL/LOQ	Units	RFW-2D	RFW-2D	RFW-2D	RFW-2D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/10/2021	6/30/2022
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	0.28	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	1.01	1.07	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				42

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-2S): Groundwater

Constituent:	DL/LOQ	Units	RFW-2S	RFW-2S	RFW-2S	RFW-2S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/10/2021	6/30/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			20.62'	20.62'	20.62'	20.62'
Depth to Water, Tow (ft.)			5.55'	5.0'	7'	6.30'
Water Level Elevation (ft.):			15.07'	15'	13.62'	14.32'
TOC - TOW (ft.):			6.00'-5.55'	5.4'-5.0'	7.5'-7'	6.80'-6.30'
Boron	100	ug/L	671	518	486	448
Calcium	1000	ug/L	44400	52900	65300	72000
Iron	50	ug/L	6730	11700	14800	13700
Magnesium	1000	ug/L	27400	28100	32400	30600
Potassium	100	ug/L	49400	40300	37100	33700
Sodium	1000	ug/L	136000	119000	97700	79400
Aluminum	50	ug/L	517	57.1	590	69.4
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	54.3	92.2	83.7	94.5
Barium	10	ug/L	334	381	401	426
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	73.4	49	131	62.6
Nickel	10	ug/L	19.3	13.4	14.5	12.3
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	5.4	9.4	25.4	20
Asp Calcium by ICP-AES	1000	ug/L	44400	52900	65300	72000
Chloride - ASP	5	mg/L	352	144	145	100
ASP Total Cyanide	0.01	mg/L	0.019	0.028	0.019	<LOQ
Chemical Oxygen Demand	5	mg/L	102	92	113	71
Color, Apparent	1	units	25	25	400	250
ASP Hardness as Calcium Carbonate	1	mg/L	220	250	300	310
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	27400	28100	32400	30600
Ammonia as N	0.05	mg/L	93.2	82.1	100	64.1
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	units	7.34	7.33	7.02	6.8
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.005	0.008	0.0505
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-2S): Groundwater

Constituent:	DL/LOQ	Units	RFW-2S	RFW-2S	RFW-2S	RFW-2S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/10/2021	6/30/2022
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Total Dissolved Solids	2	mg/L	872	741	769.3	685.3
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	117	90.5	111	68.4
Total Organic Carbon	0.1	mg/L as C	35.6	36.1	27.4	32
Turbidity	0.02	NTU	17	11.2	376	152
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	5.43	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	0.35	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-2S): Groundwater

Constituent:	DL/LOQ	Units	RFW-2S	RFW-2S	RFW-2S	RFW-2S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/1/2018	3/4/2020	5/10/2021	6/30/2022
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propybenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				25

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-3D): Groundwater

Constituent:	DL/LOQ	Units	RFW-3D	RFW-3D	RFW-3D	RFW-3D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/7/2018	3/5/2020	5/10/2021	7/6/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			95.50'	95.50'	95.50'	95.50'
Depth to Water, Tow (ft.)			4.90'	5.1'	5.30'	5.10'
Water Level Elevation (ft.):			90.6'	90.4'	90.2'	90.40'
TOC - TOW (ft.):			5.10'-4.90'	5.2'-5.1'	5.5'-5.3'	5.40'-5.10'
Boron	100	ug/L	<LOQ	95.6	90.7	<LOQ
Calcium	1000	ug/L	57000	65500	71200	77700
Iron	50	ug/L	6110	6080	6410	7430
Magnesium	1000	ug/L	27000	28200	29400	31900
Potassium	100	ug/L	9280	10000	9630	9410
Sodium	1000	ug/L	105000	98500	90900	98700
Aluminum	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	60.1	89.4	86.5	88.2
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	257	334	352	305
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	274	280	275	61.9
BioChemical Oxygen Demand	2	mg/L	3.4	<LOQ	3.4	2.4
Asp Calcium by ICP-AES	1000	ug/L	57000	65500	71200	77700
Chloride - ASP	5	mg/L	220	210	220	240
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	<LOQ	15	27	5
Color, Apparent	1	units	30	10	50	50
ASP Hardness as Calcium Carbonate	1	mg/L	250	280	300	320
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	27000	28200	29400	31900
Ammonia as N	0.05	mg/L	5.73	4.46	4.06	5.32
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	0.0197	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	units	7.13	7.15	6.99	7

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-3D): Groundwater

Constituent:	DL/LOQ	Units	RFW-3D	RFW-3D	RFW-3D	RFW-3D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/7/2018	3/5/2020	5/10/2021	7/6/2022
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	Not Detected	0.022
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Total Dissolved Solids	2	mg/L	632	576	654	724
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	5.99	4.76	5.29	5.32
Total Organic Carbon	0.1	mg/L as C	154	1.17	1.46	2.11
Turbidity	0.02	NTU	16.9	5.94	75.8	73.1
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-3D): Groundwater

Constituent:	DL/LOQ	Units	RFW-3D	RFW-3D	RFW-3D	RFW-3D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/7/2018	3/5/2020	5/10/2021	7/6/2022
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	1.4	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-4): Groundwater

Constituent:	DL/LOQ	Units	RFW-4	RFW-4	RFW-4	RFW-4
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/7/2018	3/5/2020	5/10/2021	7/6/2022
Diameter (Inches):			4"	4"	4"	4"
Well Depth, Tow (ft.):			80.50'	32.50'	80.50'	80.50'
Depth to Water, Tow (ft.)			6.90'	7.4'	7.40'	7.25'
Water Level Elevation (ft.):			74'	25.1'	25.1'	25.25'
TOC - TOW (ft.):			7.50'-6.90'	7.8'-7.4'	7.8'-7.4'	7.70'-7.25'
Boron	100	ug/L	660	663	608	825
Calcium	1000	ug/L	80300	75000	69600	81500
Iron	50	ug/L	13000	14200	24400	13700
Magnesium	1000	ug/L	123000	115000	106000	121000
Potassium	100	ug/L	58000	61300	56100	46700
Sodium	1000	ug/L	859000	774000	774000	792000
Aluminum	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	330	414	580	336
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	87	88.8
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	492	588	533	478
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500	220
BioChemical Oxygen Demand	2	mg/L	9.6	6.8	4.4	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	80300	75000	69600	81500
Chloride - ASP	5	mg/L	1500	1400	1300	1400
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.01	<LOQ
Chemical Oxygen Demand	5	mg/L	71	68	67	72
Color, Apparent	1	units	20	15	200	40
ASP Hardness as Calcium Carbonate	1	mg/L	710	660	610	700
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	123000	115000	106000	121000
Ammonia as N	0.05	mg/L	28.1	24.9	25.2	29.5
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	0.0517	<LOQ
Corrosivity/pH	0.1	units	6.65	6.82	6.99	6.64
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.004	0.013	Not Detected

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-4): Groundwater

Constituent:	DL/LOQ	Units	RFW-4	RFW-4	RFW-4	RFW-4
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/7/2018	3/5/2020	5/10/2021	7/6/2022
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Total Dissolved Solids	2	mg/L	3288	2988	2868	3300
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	31.6	29.7	29.4	28.9
Total Organic Carbon	0.1	mg/L as C	4.32	5.1	3.29	5.29
Turbidity	0.02	NTU	36.4	5.9	160	86.5
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	4.03	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-4): Groundwater

Constituent:	DL/LOQ	Units	RFW-4	RFW-4	RFW-4	RFW-4
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/7/2018	3/5/2020	5/10/2021	7/6/2022
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	2.14	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-5D): Groundwater

Constituent:	DL/LOQ	Units	RFW-5D	RFW-5D	RFW-5D	RFW-5D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/7/2018	3/5/2020	5/12/2021	7/6/2022
Diameter (Inches):			4"	4"	4"	4"
Well Depth, Tow (ft.):			74.90'	74.90'	74.90'	74.90'
Depth to Water, Tow (ft.)			8.00'	8.1'	7.8'	6.30'
Water Level Elevation (ft.):			66.90'	66.8'	67.1'	68.60'
TOC - TOW (ft.):			8.42'-8.00'	8.5'-8.1'	8.2'-7.8'	6.70'-6.30'
Boron	100	ug/L	312	391	340	430
Calcium	1000	ug/L	53900	55000	55200	58900
Iron	50	ug/L	22300	17500	17300	17900
Magnesium	1000	ug/L	71600	75500	78000	81400
Potassium	100	ug/L	26100	27500	27100	27300
Sodium	1000	ug/L	458000	397000	402000	408000
Aluminum	50	ug/L	<LOQ	<LOQ	106	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	30.4	42.1	38.9	37.8
Barium	10	ug/L	242	274	265	256
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	88.6
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	118	122	111	122
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500	130
BioChemical Oxygen Demand	2	mg/L	11.6	7.2	11.8	9.7
Asp Calcium by ICP-AES	1000	ug/L	53900	54900	55200	58900
Chloride - ASP	5	mg/L	850	800	850	850
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.007	<LOQ
Chemical Oxygen Demand	5	mg/L	44	100	46	39
Color, Apparent	1	units	50	70	250	100
ASP Hardness as Calcium Carbonate	1	mg/L	430	450	460	480
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	71600	75500	78000	81400
Ammonia as N	0.05	mg/L	7.47	17.2	17.4	20.8
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	0.517	<LOQ
Corrosivity/pH	0.1	units	7.2	7.22	7.23	7.08

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-5D): Groundwater

Constituent:	DL/LOQ	Units	RFW-5D	RFW-5D	RFW-5D	RFW-5D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/7/2018	3/5/2020	5/12/2021	7/6/2022
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	Not Detected	0.0082
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Total Dissolved Solids	2	mg/L	1636	1544	1820	2064
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	17.5	16.7	18.3	18.8
Total Organic Carbon	0.1	mg/L as C	3.05	3.79	2.3	4.31
Turbidity	0.02	NTU	27.9	20.8	311	118
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-5D): Groundwater

Constituent:	DL/LOQ	Units	RFW-5D	RFW-5D	RFW-5D	RFW-5D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/7/2018	3/5/2020	5/12/2021	7/6/2022
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				42

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-6): Groundwater

Constituent:	DL/LOQ	Units	RFW-6	RFW-6	RFW-6	RFW-6
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/8/2018	3/5/2020	5/11/2021	7/7/2022
Diameter (Inches):			4"	4"	4"	4"
Well Depth, Tow (ft.):			63.50'	63.50'	63.50'	63.50'
Depth to Water, Tow (ft.)			58.00'	57.85'	57.7'	57.60'
Water Level Elevation (ft.):			5.5'	5.65'	5.8'	5.9'
TOC - TOW (ft.):			58.4'-58.00'	58'-57.85'	58'-57.7'	58.50'-57.60'
Boron	100	ug/L	1220	1010	1190	1040
Calcium	1000	ug/L	183000	238000	164000	160000
Iron	50	ug/L	710	79500	6170	25600
Magnesium	1000	ug/L	115000	122000	111000	103000
Potassium	100	ug/L	7290	6750	8500	5140
Sodium	1000	ug/L	396000	350000	377000	358000
Aluminum	50	ug/L	50.2	3260	53.7	192
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	16.2	<LOQ	<LOQ
Barium	10	ug/L	538	1440	673	622
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	55.6	5700	211	1060
Cobalt	10	ug/L	12.9	25.9	35.3	15.3
Copper	50	ug/L	<LOQ	161	<LOQ	79.8
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	1410	2660	1760	1480
Nickel	10	ug/L	530	974	1350	418
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	102	<LOQ	69.6
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500	180
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	183000	238000	164000	160000
Chloride - ASP	5	mg/L	150	775	775	750
ASP Total Cyanide	0.01	mg/L	0.023	0.03	0.028	0.005
Chemical Oxygen Demand	5	mg/L	44	100	60	<LOQ
Color, Apparent	1	units	20	70	300	150
ASP Hardness as Calcium Carbonate	1	mg/L	930	1100	870	820
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	115000	122000	111000	103000
Ammonia as N	0.05	mg/L	<LOQ	0.0602	<LOQ	0.104
Nitrite Nitrogen as N	0.01	mg/L	0.0208	0.0135	<LOQ	0.0166
N-Nitrate Calculated	0.05	mg/L	1.06	0.32	0.474	0.883
Corrosivity/pH	0.1	units	6.99	7.02	6.99	6.93

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-6): Groundwater

Constituent:	DL/LOQ	Units	RFW-6	RFW-6	RFW-6	RFW-6
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/8/2018	3/5/2020	5/11/2021	7/7/2022
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.005	Not Detected	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	39.6	34.9	37.7	41.1
Total Dissolved Solids	2	mg/L	1800	2108	2038	2064
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	1.44	2.16	1.53	1.59
Total Organic Carbon	0.1	mg/L as C	18.2	3.55	3.15	4.72
Turbidity	0.02	NTU	8.92	23.4	101	170
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	36.87	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	2.57	1.77	0.86	0.721
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-6): Groundwater

Constituent:	DL/LOQ	Units	RFW-6	RFW-6	RFW-6	RFW-6
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/8/2018	3/5/2020	5/11/2021	7/7/2022
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	3.65	<LOQ	1.61	1.75
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	3.72	3.3	1.75	1.39
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	0.62	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	0.29	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	0.821	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				20

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-7D): Groundwater

Constituent:	DL/LOQ	Units	RFW-7D	RFW-7D	RFW-7D	RFW-7D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/8/2018	3/9/2020	5/12/2021	7/7/2022
Diameter (Inches):			4"	4"	4"	4"
Well Depth, Tow (ft.):			46.70'	46.70'	46.70'	46.70'
Depth to Water, Tow (ft.)			7.50'	8.25'	8.5'	8.30'
Water Level Elevation (ft.):			39.2'	38.4'	38.2'	38.40'
TOC - TOW (ft.):			7.95'-7.50'	8.65'-8.25'	8.9'-8.5'	8.70'-8.30'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	42600	37600	36400	37800
Iron	50	ug/L	109	<LOQ	<LOQ	<LOQ
Magnesium	1000	ug/L	15200	13500	13100	13900
Potassium	100	ug/L	3110	2530	2560	2450
Sodium	1000	ug/L	11500	8320	8450	8410
Aluminum	50	ug/L	55.4	<LOQ	<LOQ	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	56.9	56.6	51.4	46.6
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	<LOQ	16.9	<LOQ	<LOQ
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	176	171	172	34.7
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	42600	37600	36400	37800
Chloride - ASP	5	mg/L	<LOQ	<LOQ	<LOQ	6
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Color, Apparent	1	units	5	<LOQ	<LOQ	<LOQ
ASP Hardness as Calcium Carbonate	1	mg/L	170	150	140	150
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	15200	13500	13100	13900
Ammonia as N	0.05	mg/L	<LOQ	<LOQ	0.0598	0.0663
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	units	7.99	8.19	8.11	7.65
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	0.006	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-7D): Groundwater

Constituent:	DL/LOQ	Units	RFW-7D	RFW-7D	RFW-7D	RFW-7D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/8/2018	3/9/2020	5/12/2021	7/7/2022
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	6.55	7.47	6.5	6.73
Total Dissolved Solids	2	mg/L	192	199	270	232
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.0775	0.095	0.167	0.35
Total Organic Carbon	0.1	mg/L as C	0.361	0.389	1.14	0.971
Turbidity	0.02	NTU	0.86	0.07	0.17	0.02
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-7D): Groundwater

Constituent:	DL/LOQ	Units	RFW-7D	RFW-7D	RFW-7D	RFW-7D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/8/2018	3/9/2020	5/12/2021	7/7/2022
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	1.36	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-7S): Groundwater

Constituent:	DL/LOQ	Units	RFW-7S	RFW-7S	RFW-7S	RFW-7S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/8/2018	3/9/2020	5/12/2021	7/7/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			17.50'	17.50'	17.50'	17.50'
Depth to Water, Tow (ft.)			7.80'	8.8'	7.3'	9.20'
Water Level Elevation (ft.):			9.7'	8.7'	10.2'	8.30'
TOC - TOW (ft.):			9.10'-7.80'	9.2'-8.8'	8.5'-7.3'	9.80'-9.20'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	55900	94500	72800	81600
Iron	50	ug/L	587	34200	4820	2560
Magnesium	1000	ug/L	23400	41000	32000	36800
Potassium	100	ug/L	2150	3880	1980	1950
Sodium	1000	ug/L	18000	25400	24400	28100
Aluminum	50	ug/L	264	9490	884	450
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	11.7	<LOQ	<LOQ
Barium	10	ug/L	38.7	548	102	84.1
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	30.3	2290	464	124
Cobalt	10	ug/L	<LOQ	26.6	2340	<LOQ
Copper	50	ug/L	<LOQ	80.7	230	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	181	25300	<LOQ	1560
Nickel	10	ug/L	20.4	1660	<LOQ	190
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	124	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	196	199	240	36.3
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	55900	94500	72800	81600
Chloride - ASP	5	mg/L	57	120	125	130
ASP Total Cyanide	0.01	mg/L	<LOQ	0.012	0.01	<LOQ
Chemical Oxygen Demand	5	mg/L	<LOQ	5	<LOQ	<LOQ
Color, Apparent	1	units	5	25	50	40
ASP Hardness as Calcium Carbonate	1	mg/L	240	400	310	360
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	23400	41000	32000	36800
Ammonia as N	0.05	mg/L	<LOQ	<LOQ	<LOQ	0.157
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	1.74	3.69	2.9	3.69
Corrosivity/pH	0.1	units	7.28	7.15	7.28	7.53

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-7S): Groundwater

Constituent:	DL/LOQ	Units	RFW-7S	RFW-7S	RFW-7S	RFW-7S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/8/2018	3/9/2020	5/12/2021	7/7/2022
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	0.017	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	16	17.6	15.8	16.1
Total Dissolved Solids	2	mg/L	300	526	495	531
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.189	0.364	0.47	0.513
Total Organic Carbon	0.1	mg/L as C	0.86	1.05	0.947	1.01
Turbidity	0.02	NTU	16.6	36.1	93.2	72.3
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-7S): Groundwater

Constituent:	DL/LOQ	Units	RFW-7S	RFW-7S	RFW-7S	RFW-7S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/8/2018	3/9/2020	5/12/2021	7/7/2022
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	0.29	<LOQ
Bromodichloromethane	0.5	ug/L	0.39	0.569	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	1.14	1.04	0.625	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	0.32	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-8): Groundwater

Constituent:	DL/LOQ	Units	RFW-8	RFW-8	RFW-8	RFW-8
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/8/2018	3/9/2020	5/12/2021	7/7/2022
Diameter (Inches):			4"	4"	4"	4"
Well Depth, Tow (ft.):			53.95'	53.95'	53.95'	53.95'
Depth to Water, Tow (ft.)			48.75'	47.35'	49.2'	48.80'
Water Level Elevation (ft.):			5.2'	6.6'	4.75'	5.15'
TOC - TOW (ft.):			49.20'-48.75'	47.75'-47.35'	49.7'-49.2'	49.30'-48.80'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	149000	169000	197000	163000
Iron	50	ug/L	2820	24300	108000	6620
Magnesium	1000	ug/L	50300	57500	69700	60700
Potassium	100	ug/L	2150	2780	3490	2480
Sodium	1000	ug/L	27100	39400	49000	50700
Aluminum	50	ug/L	265	1770	2460	90.6
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	12.6	<LOQ
Barium	10	ug/L	155	245	482	177
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	181	7050	16500	1170
Cobalt	10	ug/L	<LOQ	<LOQ	23.8	<LOQ
Copper	50	ug/L	<LOQ	136	314	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	19.4	101	261	30.4
Nickel	10	ug/L	27.2	283	698	126
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	35.7	92.2	46.3
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	319	270	299	60.2
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	149000	169000	197000	163000
Chloride - ASP	5	mg/L	200	350	430	360
ASP Total Cyanide	0.01	mg/L	0.017	0.013	0.016	<LOQ
Chemical Oxygen Demand	5	mg/L	<LOQ	6	41	51
Color, Apparent	1	units	25	50	50	50
ASP Hardness as Calcium Carbonate	1	mg/L	580	660	780	660
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	50300	57500	69700	60700
Ammonia as N	0.05	mg/L	<LOQ	<LOQ	<LOQ	0.0567
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	9.34	5.75	6.32	9.19
Corrosivity/pH	0.1	units	7.25	7.29	7.27	6.46
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.005	Not Detected	Not Detected

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-8): Groundwater

Constituent:	DL/LOQ	Units	RFW-8	RFW-8	RFW-8	RFW-8
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/8/2018	3/9/2020	5/12/2021	7/7/2022
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	35.2	33	42.8	42.3
Total Dissolved Solids	2	mg/L	685	965	1424	1280
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.31	0.34	0.749	0.423
Total Organic Carbon	0.1	mg/L as C	0.526	0.346	0.577	0.792
Turbidity	0.02	NTU	24.8	33.9	142	53
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-8): Groundwater

Constituent:	DL/LOQ	Units	RFW-8	RFW-8	RFW-8	RFW-8
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/8/2018	3/9/2020	5/12/2021	7/7/2022
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-10D): Groundwater

Constituent:	DL/LOQ	Units	RFW-10D	RFW-10D	RFW-10D	RFW-10D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/9/2020	5/13/2021	7/11/2022
Diameter (Inches):			4"	4"	4"	4"
Well Depth, Tow (ft.):			44.90'	44.90'	44.90'	44.90'
Depth to Water, Tow (ft.)			7.60'	8.5'	8.8'	9.00'
Water Level Elevation (ft.):			37.3'	36.4'	36.1'	35.90'
TOC - TOW (ft.):			8.50'-7.60'	9.45'-8.5'	9.8'-8.8'	10.00'-9.00'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	85900	87200	65600	76200
Iron	50	ug/L	449	4240	50.1	<LOQ
Magnesium	1000	ug/L	22400	24800	18900	21700
Potassium	100	ug/L	4040	4370	3180	3500
Sodium	1000	ug/L	14200	14000	13100	14200
Aluminum	50	ug/L	287	2750	<LOQ	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	154	194	134	122
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	12.4	11.6	12.1	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	17.5	188	<LOQ	120
Nickel	10	ug/L	<LOQ	12.9	<LOQ	35.7
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	244	239	222	239
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	85900	87200	65600	76200
Chloride - ASP	5	mg/L	74	71	58	81
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	<LOQ	9	5	<LOQ
Color, Apparent	1	units	5	15	<LOQ	<LOQ
ASP Hardness as Calcium Carbonate	1	mg/L	310	320	240	280
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	22400	24800	18900	21700
Ammonia as N	0.05	mg/L	<LOQ	0.0638	<LOQ	0.0748
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	0.077	0.0953	<LOQ
Corrosivity/pH	0.1	units	8.41	7.81	7.58	7.39

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-10D): Groundwater

Constituent:	DL/LOQ	Units	RFW-10D	RFW-10D	RFW-10D	RFW-10D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/9/2020	5/13/2021	7/11/2022
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.006	0.037	0.0045
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	18	14.4	11.7	12.6
Total Dissolved Solids	2	mg/L	404	389	366	426
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.239	0.288	0.246	0.353
Total Organic Carbon	0.1	mg/L as C	2.08	2.55	1.4	2.21
Turbidity	0.02	NTU	5.23	33.8	1.74	0.64
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-10D): Groundwater

Constituent:	DL/LOQ	Units	RFW-10D	RFW-10D	RFW-10D	RFW-10D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/9/2020	5/13/2021	7/11/2022
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				41

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-10S): Groundwater

Constituent:	DL/LOQ	Units	RFW-10S	RFW-10S	RFW-10S	RFW-10S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/9/2020	5/13/2021	7/11/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			17.95'	17.95'	17.95'	17.95'
Depth to Water, Tow (ft.)			8.50'	9.7'	10'	9.90'
Water Level Elevation (ft.):			9.45'	8.25'	7.95'	8.05'
TOC - TOW (ft.):			9.33'-8.50'	10.4'-9.7'	10.7'-10'	10.50'-9.90'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ	81.3
Calcium	1000	ug/L	146000	200000	241000	244000
Iron	50	ug/L	5690	28600	23700	15000
Magnesium	1000	ug/L	47000	73500	82600	71800
Potassium	100	ug/L	4800	8800	8260	5560
Sodium	1000	ug/L	120000	106000	74200	78500
Aluminum	50	ug/L	2830	15100	11900	2560
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	181	318	314	264
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	74.4	530	149	611
Cobalt	10	ug/L	<LOQ	13.6	12.4	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	30.9	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	295	572	467	146
Nickel	10	ug/L	74.4	125	181	117
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	38.4	42.3	36
Zinc	80	ug/L	<LOQ	101	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	487	>500	>500	587
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	146000	200000	241000	244000
Chloride - ASP	5	mg/L	290	290	380	400
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	<LOQ	12	21	<LOQ
Color, Apparent	1	units	10	20	50	200
ASP Hardness as Calcium Carbonate	1	mg/L	560	800	940	900
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	47000	73500	82600	71800
Ammonia as N	0.05	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	0.264	0.236	<LOQ
Corrosivity/pH	0.1	units	7.43	7.22	7.05	6.9
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.004	0.058	0.0062

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-10S): Groundwater

Constituent:	DL/LOQ	Units	RFW-10S	RFW-10S	RFW-10S	RFW-10S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/9/2020	5/13/2021	7/11/2022
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	27.2	45.4	77.8	86.7
Total Dissolved Solids	2	mg/L	1008	1064	1219	1470
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.282	0.859	1.11	0.466
Total Organic Carbon	0.1	mg/L as C	0.893	0.816	1.1	1.59
Turbidity	0.02	NTU	36.7	15.7	372	521
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-10S): Groundwater

Constituent:	DL/LOQ	Units	RFW-10S	RFW-10S	RFW-10S	RFW-10S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/9/2020	5/13/2021	7/11/2022
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				23

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-11D): Groundwater

Constituent:	DL/LOQ	Units	RFW-11D	RFW-11D	RFW-11D	RFW-11D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/11/2020	5/13/2021	7/11/2022
Diameter (Inches):			4"	4"	4"	4"
Well Depth, Tow (ft.):			75.85'	75.85'	75.85'	75.85'
Depth to Water, Tow (ft.)			4.60'	3.8'	4.2'	3.80'
Water Level Elevation (ft.):			71.25'	72.2'	71.65'	72.05'
TOC - TOW (ft.):			5.60'-4.60'	4.5'-3.8'	4.9'-4.2'	4.00'-3.80'
Boron	100	ug/L	315	391	303	300
Calcium	1000	ug/L	78000	79400	74700	69800
Iron	50	ug/L	17300	19500	17000	16000
Magnesium	1000	ug/L	104000	106000	102000	94900
Potassium	100	ug/L	37500	43900	40600	35700
Sodium	1000	ug/L	696000	594000	606000	619000
Aluminum	50	ug/L	<LOQ	<LOQ	56	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	294	344	274	241
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	10.1	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	67.8
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	223	234	205	151
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500	779
BioChemical Oxygen Demand	2	mg/L	4.7	12.3	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	78000	79400	74700	69800
Chloride - ASP	5	mg/L	1225	1225	1350	1250
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.005	<LOQ
Chemical Oxygen Demand	5	mg/L	41	100	114	35
Color, Apparent	1	units	15	10	100	100
ASP Hardness as Calcium Carbonate	1	mg/L	620	640	610	560
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	104000	106000	102000	94900
Ammonia as N	0.05	mg/L	27.5	30.8	30.3	38.5
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	0.0279	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	0.0771	<LOQ
Corrosivity/pH	0.1	units	7.07	7.03	6.79	6.79
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	0.005	0.0249

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-11D): Groundwater

Constituent:	DL/LOQ	Units	RFW-11D	RFW-11D	RFW-11D	RFW-11D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/11/2020	5/13/2021	7/11/2022
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Total Dissolved Solids	2	mg/L	2565.3	2850	2786	2816
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	32.2	37.7	31	31.8
Total Organic Carbon	0.1	mg/L as C	2.72	1.24	2.39	3.83
Turbidity	0.02	NTU	25	24.5	180	233
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-11D): Groundwater

Constituent:	DL/LOQ	Units	RFW-11D	RFW-11D	RFW-11D	RFW-11D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/11/2020	5/13/2021	7/11/2022
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ E

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-11S): Groundwater

Constituent:	DL/LOQ	Units	RFW-11S	RFW-11S	RFW-11S	RFW-11S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/11/2020	5/13/2021	7/11/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			11.45'	11.45'	11.45'	11.45'
Depth to Water, Tow (ft.)			3.30'	3.6'	4.8'	3.80'
Water Level Elevation (ft.):			8.51'	3.5'	6.65'	7.65'
TOC - TOW (ft.):			6.76'-3.30'	7.1'-3.6'	7.7'-4.8'	7.40'-3.80'
Boron	100	ug/L	<LOQ	110	<LOQ	85.9
Calcium	1000	ug/L	75400	71200	53300	56600
Iron	50	ug/L	16600	16000	7880	9000
Magnesium	1000	ug/L	19600	37300	22700	27000
Potassium	100	ug/L	4220	10400	8030	9570
Sodium	1000	ug/L	34300	107000	88300	86300
Aluminum	50	ug/L	1050	1850	1140	163
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	11.4	<LOQ	<LOQ
Barium	10	ug/L	132	110	99.6	72.5
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	23.9	82.8	72.1	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	50.4	<LOQ	<LOQ
Lead	10	ug/L	14	14.9	<LOQ	<LOQ
Manganese	10	ug/L	1480	498	142	510
Nickel	10	ug/L	21.1	19	14.5	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	36.5	21.4	<LOQ
Zinc	80	ug/L	<LOQ	98.6	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	219	347	245	335
BioChemical Oxygen Demand	2	mg/L	<LOQ	8.03	2.7	3.2
Asp Calcium by ICP-AES	1000	ug/L	75400	71200	53300	56600
Chloride - ASP	5	mg/L	55	222	200	155
ASP Total Cyanide	0.01	mg/L	0.017	<LOQ	0.02	<LOQ
Chemical Oxygen Demand	5	mg/L	52	14	13	10
Color, Apparent	1	units	40	60	50	100
ASP Hardness as Calcium Carbonate	1	mg/L	270	330	230	250
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	19600	37300	22700	27000
Ammonia as N	0.05	mg/L	0.0761	0.27	0.677	2.49
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	0.0184	<LOQ
N-Nitrate Calculated	0.05	mg/L	1.1	<LOQ	0.439	<LOQ
Corrosivity/pH	0.1	units	7.51	7.23	7.2	7.15
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	0.016	0.0064

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-11S): Groundwater

Constituent:	DL/LOQ	Units	RFW-11S	RFW-11S	RFW-11S	RFW-11S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/11/2020	5/13/2021	7/11/2022
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	4.86	1.33	8.29	<LOQ
Total Dissolved Solids	2	mg/L	314	739	609	581.3
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	1.65	2.32	4.14	2.67
Total Organic Carbon	0.1	mg/L as C	4.07	2.27	1.53	3.77
Turbidity	0.02	NTU	16.6	4.23	57.9	74.4
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	57.5	37.1	<LOQ	54.5
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-11S): Groundwater

Constituent:	DL/LOQ	Units	RFW-11S	RFW-11S	RFW-11S	RFW-11S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/11/2020	5/13/2021	7/11/2022
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				4 E

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-12D): Groundwater

Constituent:	DL/LOQ	Units	RFW-12D	RFW-12D	RFW-12D	RFW-12D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/11/2020	5/13/2021	7/11/2022
Diameter (Inches):			4"	4"	4"	4"
Well Depth, Tow (ft.):			45.90'	45.90'	45.90'	45.90'
Depth to Water, Tow (ft.)			3.22'	4.1'	4.5'	4.40'
Water Level Elevation (ft.):			42.68'	41.8'	41.4'	41.50'
TOC - TOW (ft.):			4.80'-3.22'	5.1'-4.1'	5.4'-4.5'	5.40'-4.40'
Boron	100	ug/L	110	218	<LOQ	98.7
Calcium	1000	ug/L	88700	90500	47700	78000
Iron	50	ug/L	1260	350	155	933
Magnesium	1000	ug/L	30900	36500	18600	28700
Potassium	100	ug/L	6540	4110	2250	3470
Sodium	1000	ug/L	178000	133000	62800	132000
Aluminum	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	89.3	64.5	36.6	68.2
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	33.4	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	119	715	142	686
Nickel	10	ug/L	10.5	13	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	373	437	244	408
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	2	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	88700	90500	47700	78000
Chloride - ASP	5	mg/L	325	200	75	300
ASP Total Cyanide	0.01	mg/L	0.012	<LOQ	0.006	<LOQ
Chemical Oxygen Demand	5	mg/L	18	19	13	11
Color, Apparent	1	units	20	15	10	30
ASP Hardness as Calcium Carbonate	1	mg/L	350	380	200	310
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	30900	36500	18600	28700
Ammonia as N	0.05	mg/L	2.01	0.517	0.172	0.288
Nitrite Nitrogen as N	0.01	mg/L	0.0166	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	0.719	0.76	0.183	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-12D): Groundwater

Constituent:	DL/LOQ	Units	RFW-12D	RFW-12D	RFW-12D	RFW-12D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/11/2020	5/13/2021	7/11/2022
Corrosivity/pH	0.1	units	7.03	7.04	7.06	6.88
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	Not Detected	0.005
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	30	23.1	10.8	22
Total Dissolved Solids	2	mg/L	846	816	406	900
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	2.27	0.878	0.574	0.836
Total Organic Carbon	0.1	mg/L as C	2.37	2.95	3.32	3.98
Turbidity	0.02	NTU	8.94	0.97	0.96	5.64
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-12D): Groundwater

Constituent:	DL/LOQ	Units	RFW-12D	RFW-12D	RFW-12D	RFW-12D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/11/2020	5/13/2021	7/11/2022
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				6 E

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-12S): Groundwater

Constituent:	DL/LOQ	Units	RFW-12S	RFW-12S	RFW-12S	RFW-12S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/11/2020	5/13/2021	7/11/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			15.90'	15.90'	15.90'	15.90'
Depth to Water, Tow (ft.)			2.61'	3.80'	3.8'	4.80'
Water Level Elevation (ft.):			13.29'	12.1'	12.1'	11.10'
TOC - TOW (ft.):			3.40'-2.61'	4.5'-3.80'	4.7'-3.8'	5.90'-4.80'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	44100	85100	83100	51100
Iron	50	ug/L	5310	16300	11100	5240
Magnesium	1000	ug/L	14000	26600	25000	15600
Potassium	100	ug/L	2440	2700	3360	1920
Sodium	1000	ug/L	29900	18200	19400	8740
Aluminum	50	ug/L	125	<LOQ	69.4	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	71.8	148	121	63.6
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	297	657	555	269
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	179	370	348	239
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	44100	85100	83100	51100
Chloride - ASP	5	mg/L	69	9	11	8
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.005	<LOQ
Chemical Oxygen Demand	5	mg/L	<LOQ	9	9	<LOQ
Color, Apparent	1	units	40	50	250	40
ASP Hardness as Calcium Carbonate	1	mg/L	170	320	310	190
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	14000	26600	25000	15600
Ammonia as N	0.05	mg/L	0.171	0.17	0.18	0.259
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	0.0714	<LOQ
Corrosivity/pH	0.1	units	7.59	7.44	7.33	7.38
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.008	Not Detected	0.0071

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-12S): Groundwater

Constituent:	DL/LOQ	Units	RFW-12S	RFW-12S	RFW-12S	RFW-12S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/11/2020	5/13/2021	7/11/2022
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	5.07	8.74	3.42	2.93
Total Dissolved Solids	2	mg/L	237	401	391	300
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.39	0.515	0.525	0.696
Total Organic Carbon	0.1	mg/L as C	1.53	2.61	3.21	2.51
Turbidity	0.02	NTU	9.69	11.5	160	55.3
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 1(RFW-12S): Groundwater

Constituent:	DL/LOQ	Units	RFW-12S	RFW-12S	RFW-12S	RFW-12S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/14/2018	3/11/2020	5/13/2021	7/11/2022
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	3	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ E

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-1A): Surface Water

Constituent:	DL/LOQ	Units	SRF-1A:	SRF-1A:	SRF-1A:	SRF-1A:
			Tellers Point Right	Tellers Point Right	Tellers Point Right	Tellers Point Right
Sampling Period:			2018	2020	2021	2022
Boron	100	ug/L	<LOQ	269	303	<LOQ
Calcium	1000	ug/L	25300	39900	49300	83300
Iron	50	ug/L	1480	457	2590	<LOQ
Magnesium	1000	ug/L	5510	66200	93200	209000
Potassium	100	ug/L	1960	25600	37900	62900
Sodium	1000	ug/L	18300	516000	786000	1660000
Aluminum	50	ug/L	981	269	1450	148
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	11.4
Barium	10	ug/L	22.4	25.9	42.5	36.8
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	18.3	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	689
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Magnesium	10	ug/L	78	31.4	174	47.3
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	40
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	69.2	69.1	69	75.4
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	3	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	25300	39900	49300	83300
Chloride - ASP	5	mg/L	31	1225	1700	3800
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.27	<LOQ
Chemical Oxygen Demand	5	mg/L	17	17	23	46
Color, Apparent	1	units	15	25	100	25
ASP Hardness as Calcium Carbonate	1	mg/L	86	370	510	1100
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	5510	66200	93200	209000
Ammonia as N	0.05	mg/L	0.0627	0.13	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	0.0134	<LOQ	0.0109
N-Nitrate Calculated	0.05	mg/L	0.526	0.493	0.0716	0.186
Corrosivity/pH	0.1	units	7.98	7.8	8.43	7.74
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	0.061	0.0107
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	12.4	183	215	506
Total Dissolved Solids	2	mg/L	166.7	2120	2906.7	6400
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.485	0.609	0.978	0.723
Total Organic Carbon	0.1	mg/L as C	4.86	0.575	0.769	0.744
Turbidity	0.02	NTU	34.1	16.3	59.5	9.09
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-1A): Surface Water

Constituent:	DL/LOQ	Units	SRF-1A: Tellers Point Right	SRF-1A: Tellers Point Right	SRF-1A: Tellers Point Right	SRF-1A: Tellers Point Right
Sampling Period:			2018	2020	2021	2022
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	0.89	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-1A): Surface Water

Constituent:	DL/LOQ	Units	SRF-1A: Tellers Point Right	SRF-1A: Tellers Point Right	SRF-1A: Tellers Point Right	SRF-1A: Tellers Point Right
Sampling Period:			2018	2020	2021	2022
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-2A): Surface Water

Constituent:	DL/LOQ	Units	SRF-2A: Beach Right	SRF-2A: Beach Right	SRF-2A: Beach Right	SRF-2A: Beach Right
Sampling Period:			2018	2020	2021	2022
Boron	100	ug/L	<LOQ	368	142	751
Calcium	1000	ug/L	24000	45400	27800	67000
Iron	50	ug/L	1220	734	1180	403
Magnesium	1000	ug/L	5630	79700	29900	155000
Potassium	100	ug/L	1970	31800	10700	55300
Sodium	1000	ug/L	19700	614000	222000	1210000
Aluminum	50	ug/L	664	474	577	135
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	15.7	25.2	16.5	31.2
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	10.6	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	141
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Magnaeze	10	ug/L	67.9	37.9	63.5	159
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	24.5
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	71	68.8	56	<LOQ
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	2.6
Asp Calcium by ICP-AES	1000	ug/L	24000	45400	27800	67000
Chloride - ASP	5	mg/L	36	1425	510	3200
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.005	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-2A): Surface Water

Constituent:	DL/LOQ	Units	SRF-2A: Beach Right	SRF-2A: Beach Right	SRF-2A: Beach Right	SRF-2A: Beach Right
Sampling Period:			2018	2020	2021	2022
Chemical Oxygen Demand	5	mg/L	13	11	11	34
						30
Color, Apparent	1	units	25	20	10	810
ASP Hardness as Calcium Carbonate	1	mg/L	83	440	190	<LOQ
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	155000
ASP Magnesium	1000	ug/L	5630	79700	29900	<LOQ
Ammonia as N	0.05	mg/L	0.0666	0.168	0.118	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	0.0144	<LOQ	0.262
N-Nitrate Calculated	0.05	mg/L	0.528	0.534	0.454	8.32
Corrosivity/pH	0.1	units	7.91	7.69	7.84	
						0.0082
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	Not Detected	Completed
ASP Metal Digestion - Aqueous				Complete	Complete	Completed
NH4 Preparation				Complete	Complete	
Sulfate, Aqueous	1	mg/L	13	203	70.7	419
Total Dissolved Solids	2	mg/L	168	2644	844	5353.3
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.432	0.55	0.359	0.783
Total Organic Carbon	0.1	mg/L as C	5.17	0.529	1.1	0.755
Turbidity	0.02	NTU	30.2	18.4	26.2	13.4
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-2A): Surface Water

Constituent:	DL/LOQ	Units	SRF-2A: Beach Right	SRF-2A: Beach Right	SRF-2A: Beach Right	SRF-2A: Beach Right
Sampling Period:			2018	2020	2021	2022
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirchloroproppane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-2A): Surface Water

Constituent:	DL/LOQ	Units	SRF-2A: Beach Right	SRF-2A: Beach Right	SRF-2A: Beach Right	SRF-2A: Beach Right
Sampling Period:			2018	2020	2021	2022
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	0.58	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
 Post Closure Monitoring and Sampling Report, Table 2(SRF-2A): Surface Water

Constituent:	DL/LOQ	Units	SRF-2A: Beach Right	SRF-2A: Beach Right	SRF-2A: Beach Right	SRF-2A: Beach Right
Sampling Period:			2018	2020	2021	2022
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-2B): Surface Water

Constituent:	DL/LOQ	Units	SRF-2B: Beach Left	SRF-2B: Beach Left	SRF-2B: Beach Left	SRF-2B: Beach Left
Sampling Period:			2018	2020	2021	2022
Boron	100	ug/L	<LOQ	367	149	761
Calcium	1000	ug/L	22500	46200	27300	67700
Iron	50	ug/L	1130	564	1410	370
Magnesium	1000	ug/L	5660	82100	29700	156000
Potassium	100	ug/L	1920	32600	10600	54300
Sodium	1000	ug/L	21000	614000	221000	1220000
Aluminum	50	ug/L	611	340	651	151
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	16.5	23.3	17	29.4
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	158
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Magnnaese	10	ug/L	58.6	27.5	75.7	56.9
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	25.5
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	73.2	69.2	58	<LOQ
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	2.7
Asp Calcium by ICP-AES	1000	ug/L	22500	46200	27300	67700
Chloride - ASP	5	mg/L	38	1425	510	2900
ASP Total Cyanide	0.01	mg/L	0.01	<LOQ	0.005	<LOQ
Chemical Oxygen Demand	5	mg/L	15	16	11	38
Color, Apparent	1	units	40	20	15	30
ASP Hardness as Calcium Carbonate	1	mg/L	79	450	190	810
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	5660	82100	29700	156000
Ammonia as N	0.05	mg/L	0.0901	0.155	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	0.0141	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	0.526	0.537	0.428	0.361
Corrosivity/pH	0.1	units	7.95	7.62	7.84	8.31
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	Not Detected	Not Detected
ASP Metal Digestion - Aqueous				Complete	Complete	Completed
NH4 Preparation				Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	13.4	205	70.4	416
Total Dissolved Solids	2	mg/L	184	2640	876	5113.3
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.492	0.549	0.547	0.927
Total Organic Carbon	0.1	mg/L as C	4.87	0.52	1.1	0.755
Turbidity	0.02	NTU	26.2	13.3	31.3	11
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-2B): Surface Water

Constituent:	DL/LOQ	Units	SRF-2B: Beach Left	SRF-2B: Beach Left	SRF-2B: Beach Left	SRF-2B: Beach Left
Sampling Period:			2018	2020	2021	2022
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-2B): Surface Water

Constituent:	DL/LOQ	Units	SRF-2B: Beach Left	SRF-2B: Beach Left	SRF-2B: Beach Left	SRF-2B: Beach Left
Sampling Period:			2018	2020	2021	2022
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propybenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	0.26	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-3A): Surface Water

Constituent:	DL/LOQ	Units	SRF-3A: Marsh Right	SRF-3A: Marsh Right	SRF-3A: Marsh Right	SRF-3A: Marsh Right
Sampling Period:			2018	2020	2021	2022
Boron	100	ug/L	<LOQ		291	<LOQ
Calcium	1000	ug/L	23500		47400	86500
Iron	50	ug/L	119		2400	<LOQ
Magnesium	1000	ug/L	9250		89500	229000
Potassium	100	ug/L	2750		36200	66800
Sodium	1000	ug/L	46900		757000	1800000
Aluminum	50	ug/L	<LOQ		1210	155
Antimony	20	ug/L	<LOQ		<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ		<LOQ	12.5
Barium	10	ug/L	34.3		35.9	36.3
Beryllium	10	ug/L	<LOQ		<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ		<LOQ	<LOQ
Chromium	10	ug/L	<LOQ		15.7	<LOQ
Cobalt	10	ug/L	<LOQ		<LOQ	<LOQ
Copper	50	ug/L	<LOQ		<LOQ	332
Lead	10	ug/L	<LOQ		<LOQ	<LOQ
Magnesium	10	ug/L	54.4		149	58.1
Nickel	10	ug/L	<LOQ		<LOQ	<LOQ
Selenium	20	ug/L	<LOQ		<LOQ	41.6
Silver	20	ug/L	<LOQ		<LOQ	<LOQ
Thallium	10	ug/L	<LOQ		<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ		<LOQ	<LOQ
Zinc	80	ug/L	<LOQ		<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	72.2		69	75.9
BioChemical Oxygen Demand	2	mg/L	<LOQ		3.1	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	23500		47400	86500
Chloride - ASP	5	mg/L	107		1800	4200
ASP Total Cyanide	0.01	mg/L	<LOQ		0.013	<LOQ
Chemical Oxygen Demand	5	mg/L	15		32	45
Color, Apparent	1	units	30		100	25
ASP Hardness as Calcium Carbonate	1	mg/L	97		490	1200
Hexavalent Chromium, ASP	40	ug/L	<LOQ		<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ		<LOQ	<LOQ
ASP Magnesium	1000	ug/L	9250		89500	229000
Ammonia as N	0.05	mg/L	<LOQ		0.142	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ		<LOQ	0.01
N-Nitrate Calculated	0.05	mg/L	0.317		0.0896	0.278
Corrosivity/pH	0.1	units	8.01		8.39	7.39
Phenolics, Total Recoverable	0.025	mg/L	<LOQ		Not Detected	0.0101
ASP Metal Digestion - Aqueous			Complete		Complete	Completed
NH4 Preparation			Complete		Complete	Completed
Sulfate, Aqueous	1	mg/L	13		221	577
Total Dissolved Solids	2	mg/L	296		3080	7986.7
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.402		1.33	0.701
Total Organic Carbon	0.1	mg/L as C	3.12		0.789	0.697
Turbidity	0.02	NTU	2.2		58	9.43

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-3A): Surface Water

Constituent:	DL/LOQ	Units	SRF-3A: Marsh Right	SRF-3A: Marsh Right	SRF-3A: Marsh Right	SRF-3A: Marsh Right
Sampling Period:			2018	2020	2021	2022
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ		<LOQ	<LOQ
Acetone	10	ug/L	<LOQ		<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ		<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ		<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ		<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ		<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ		<LOQ	<LOQ
Prep. Method		ug/L	<LOQ		<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ		<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ		<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ		<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ		<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ		<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ		<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ		<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ		<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-3A): Surface Water

Constituent:	DL/LOQ	Units	SRF-3A: Marsh Right	SRF-3A: Marsh Right	SRF-3A: Marsh Right	SRF-3A: Marsh Right
Sampling Period:			2018	2020	2021	2022
Hexachlobutadiene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ		<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ		<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ		<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ		<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
N-propybenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ		<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ		<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ		<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ		<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ		<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ		<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-3B): Surface Water

Constituent:	DL/LOQ	Units	SRF-3B: Marsh Left	SRF-3B: Marsh Left	SRF-3B: Marsh Left	SRF-3B: Marsh Left
Sampling Period:			2018	2020	2021	2022
Boron	100	ug/L	<LOQ		287	<LOQ
Calcium	1000	ug/L	23900		47100	94400
Iron	50	ug/L	380		2430	<LOQ
Magnesium	1000	ug/L	9120		88900	246000
Potassium	100	ug/L	2810		35700	73500
Sodium	1000	ug/L	45900		735000	1940000
Aluminum	50	ug/L	173		1250	173
Antimony	20	ug/L	<LOQ		<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ		<LOQ	15.4
Barium	10	ug/L	34.7		36.4	42.4
Beryllium	10	ug/L	<LOQ		<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ		<LOQ	<LOQ
Chromium	10	ug/L	<LOQ		14.9	<LOQ
Cobalt	10	ug/L	<LOQ		<LOQ	<LOQ
Copper	50	ug/L	<LOQ		43.3	642
Lead	10	ug/L	<LOQ		<LOQ	<LOQ
Magnesium	10	ug/L	59.9		154	70.3
Nickel	10	ug/L	<LOQ		<LOQ	<LOQ
Selenium	20	ug/L	<LOQ		<LOQ	51.7
Silver	20	ug/L	<LOQ		<LOQ	<LOQ
Thallium	10	ug/L	<LOQ		<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ		<LOQ	<LOQ
Zinc	80	ug/L	<LOQ		<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	74.7		70	75.5
BioChemical Oxygen Demand	2	mg/L	<LOQ		2.8	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	23900		47100	94400
Chloride - ASP	5	mg/L	115		1750	4400
ASP Total Cyanide	0.01	mg/L	<LOQ		0.02	<LOQ
Chemical Oxygen Demand	5	mg/L	10		27	38
Color, Apparent	1	units	20		100	25
ASP Hardness as Calcium Carbonate	1	mg/L	97		480	1200
Hexavalent Chromium, ASP	40	ug/L	<LOQ		<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ		<LOQ	<LOQ
ASP Magnesium	1000	ug/L	9120		88900	246000
Ammonia as N	0.05	mg/L	0.0521		<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	0.0103		<LOQ	0.0101
N-Nitrate Calculated	0.05	mg/L	0.298		0.077	0.289
Corrosivity/pH	0.1	units	7.91		8.39	7.26
Phenolics, Total Recoverable	0.025	mg/L	<LOQ		Not Detected	Not Detected
ASP Metal Digestion - Aqueous			Complete		Complete	Completed
NH4 Preparation			Complete		Complete	Completed

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-3B): Surface Water

Constituent:	DL/LOQ	Units	SRF-3B: Marsh Left	SRF-3B: Marsh Left	SRF-3B: Marsh Left	SRF-3B: Marsh Left
Sampling Period:			2018	2020	2021	2022
Sulfate, Aqueous	1	mg/L	13.5		220	581
Total Dissolved Solids	2	mg/L	312		3156	7353.3
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.382		1.15	0.675
Total Organic Carbon	0.1	mg/L as C	3.17		0.772	0.713
Turbidity	0.02	NTU	5.12		72.5	9.22
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ		<LOQ	<LOQ
Acetone	10	ug/L	<LOQ		<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ		<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ		<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ		<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ		<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ		<LOQ	<LOQ
Prep. Method		ug/L	<LOQ		<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ		<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ		<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ		<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ		<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ		<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ		<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ		<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 2(SRF-3B): Surface Water

Constituent:	DL/LOQ	Units	SRF-3B: Marsh Left	SRF-3B: Marsh Left	SRF-3B: Marsh Left	SRF-3B: Marsh Left
Sampling Period:			2018	2020	2021	2022
Bromodichloromethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ		<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ		<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ		<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ		<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ		<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ		<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ		<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ		<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ		<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ		<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ		<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ		<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ		<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ		<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ		<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 3: Sediment

Constituent	DL/LOQ	Units	Soil A	Soil A	Soil A	Soil A
Sampling Period:			2018	2020	2021	2022
Silver SW by MS	13.1	mg/Kg dry wt	<LOQ		<LOQ	<LOQ
Arsenic SW by MS	6.6	mg/Kg dry wt	5.6		3.5	2.6
Cadmium SW by ICP-MS	6.6	mg/Kg dry wt	<LOQ		<LOQ	<LOQ
Copper SW by MS	33	mg/Kg dry wt	92.4		30.7	24.1
Iron by ICP-AES	13.1	mg/Kg dry wt	32400		18100	16700
Lead SW by ICP-MS	6.6	mg/Kg dry wt	87.8		23.5	19.1
Metals Digestion for soil/solids/sludges			Completed		Completed	Completed
ASP Precent Solids	0.1	%	31.7		54	56
Constituent	DL/LOQ	Units	Soil B	Soil B	Soil B	Soil B
Sampling Period:			2018	2020	2021	2022
Silver SW by MS	13.1	mg/Kg dry wt	<LOQ		<LOQ	<LOQ
Arsenic SW by MS	6.6	mg/Kg dry wt	10.1		3	2.6
Cadmium SW by ICP-MS	6.6	mg/Kg dry wt	<LOQ		<LOQ	<LOQ
Copper SW by MS	33	mg/Kg dry wt	121		15.2	28.3
Iron by ICP-AES	13.1	mg/Kg dry wt	38300		9780	16000
Lead SW by ICP-MS	6.6	mg/Kg dry wt	141		13.6	21.7
Metals Digestion for soil/solids/sludges			completed		completed	Completed
ASP Precent Solids	0.1	%	24.6		68.9	59.4
Constituent	DL/LOQ	Units	Soil C	Soil C	Soil C	Soil C
Sampling Period:			2018	2020	2021	2022
Silver SW by MS	13.1	mg/Kg dry wt	<LOQ		<LOQ	<LOQ
Arsenic SW by MS	6.6	mg/Kg dry wt	13.6		2.3	3.2
Cadmium SW by ICP-MS	6.6	mg/Kg dry wt	<LOQ		<LOQ	<LOQ
Copper SW by MS	33	mg/Kg dry wt	14.1		20	24.7
Iron by ICP-AES	13.1	mg/Kg dry wt	34000		13700	14900
Lead SW by ICP-MS	6.6	mg/Kg dry wt	12.9		18.7	20.9
Metals Digestion for soil/solids/sludges			completed		completed	Completed
ASP Precent Solids	0.1	%	35.5		68.5	61

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4a: Leachate (Pump Station)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	Pump Station #2	Pump Station #2	Pump Station #2	Pump Station #2
Sampling Period:				2018	2020	2021	2022
Aluminum	50	ug/L		145	70.1	595	135
Antimony	20	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	200	<LOQ	<LOQ	<LOQ	<LOQ
Barium	1	ug/L	2000	117	122	263	148
Beryllium	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	700	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	3000 (total)	<LOQ	<LOQ	10.3	<LOQ
Cobalt	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	2800	139	249	318	380
Lead	10	ug/L	400	<LOQ	<LOQ	12.7	<LOQ
Magnaeze	10	ug/L		335	348	766	338
Nickel	10	ug/L	2800	<LOQ	<LOQ	11.8	10.1
Selenium	20	ug/L	200	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	800	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	1800	<LOQ	97.4	381	123
Biochemical Oxygen Demand	2	mg/L		50.7	81.6	55	76.4
ASP Total Cyanide	0.01	mg/L	0.8	0.03	0.056	0.026	0.007
Hexavalent Chromium, ASP	40	ug/L	2000	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	200	<LOQ	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	Units	5.5 (low)- 9.5 (high)	7.67	7.51	7.78	7.59
Phenolics, Total Recoverable	0.025	mg/L		0.07	0.172	0.045	0.154
ASP Metal Digestion-Aqueous				Complete	Complete	Complete	Completed
Total Kjeldahl Nitrogen as N-ASP					71.8		
Total Suspended Solids	2	mg/L		120	28	88	68.3
Total Toxic Organics		mg/L	2.1	0.03585	0.063917	0.010453	
4,4-DDD	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4a: Leachate (Pump Station)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	Pump Station #2	Pump Station #2	Pump Station #2	Pump Station #2
Sampling Period:				2018	2020	2021	2022
4,4-DDE	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4,4-DDT	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
a-BHC	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
a-Chlordane	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Aldrin	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
b-BHC	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Chlordane	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
d-BHC	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dieldrin	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Endosulfan 1	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Endosulfan 2	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Endosulfan sulfate	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Endrin	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Endrin aldehyde	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Endrin ketone	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
g-Chlordane	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Heptachlor	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Heptachlor epoxide	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Lindane	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Methoxychlor	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Toxaphene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PCB-1016	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PCB-1221	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PCB-1232	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PBC-1242	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PBC-1248	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PCB-1254	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PCB-1260	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromo-3-chloropropane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromomethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4a: Leachate (Pump Station)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	Pump Station #2	Pump Station #2	Pump Station #2	Pump Station #2
Sampling Period:				2018	2020	2021	2022
2-hexanone	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L		108	218 E	68.9	72.3
Acetonitrile	50	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L		<LOQ	<LOQ	<LOQ	22.3
Methyl Iodide	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
trans-1,4-dichloro-2-butene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloropropene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L		2.75	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L		<LOQ	2.57	0.915	1.29
1,2-dichlorobenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L		0.96	0.626	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L		3.82	26.1	6.37	6.8
2-chlorotoluene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4a: Leachate (Pump Station)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	Pump Station #2	Pump Station #2	Pump Station #2	Pump Station #2
Sampling Period:				2018	2020	2021	2022
Bromobenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Bromo(chloromethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L		<LOQ	<LOQ	0.633	<LOQ
Carbon tetrachloride	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L		0.35	0.732	<LOQ	<LOQ
Chloromethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L		0.42	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L		<LOQ	0.525	<LOQ	<LOQ
Naphthalene	0.5	ug/L		1.86	0.757	0.33	<LOQ
N-Butylbenzene	0.5	ug/L		0.74	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L		0.31	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L		1.47	0.695	1.22	1.04
P & M-xylene	1	ug/L		1.69	0.99	0.86	1.42
P-isopropyltoluene	0.5	ug/L		2.98	2.54	1.48	<LOQ
SEC-butylbenzene	0.5	ug/L		0.35	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L		10.1	21.4	1.2	3.35

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4a: Leachate (Pump Station)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	Pump Station #2	Pump Station #2	Pump Station #2	Pump Station #2
Sampling Period:				2018	2020	2021	2022
trans-1,2-dichloroethene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-Trichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2-Dichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,3-Dichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,4-Dichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2,4,6-trichlorophenol	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2,4-Dichlorophenol	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2,4-Dimethylphenol	5	ug/L		<LOQ	3.17	<LOQ	<LOQ
2,4- Dinitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2,4-Dinitrotoluene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2,6-Dinitrotoluene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2-Chloronaphthalene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2-Chlorophenol	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2-Methyl-4,6-dinitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2-Nitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
3,3-Dichlorobenzidine	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4-Bromophenylphenylether	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4-Chloro-3-methylphenol	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4-Chorophenylphenylether	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4-Nitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Acenaphthene	5	ug/L		1.25	<LOQ	<LOQ	<LOQ
Aceaphthylene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Anthracene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Azobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzidine	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzo(a)anthracene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzo(a)pyrene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4a: Leachate (Pump Station)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	Pump Station #2	Pump Station #2	Pump Station #2	Pump Station #2
Sampling Period:				2018	2020	2021	2022
Benzo(b)fluoranthene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzo(g,h,i)perylene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzo(k)fluoranthene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzyl butyl phthalate	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
bis(2-chloroethoxy)methane	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
bis(2-chloroethyl)ether	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
bis(2-Ethylhexyl)phthalate	5	ug/L		1.92	2.69	3.26	184
Chrysene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dibenzo(a,h)anthracene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Diethylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dimethylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Di-n-butylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Di-n-octylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Flouranthene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Fluorene	5	ug/L		4.22	<LOQ	<LOQ	<LOQ
Hexachlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Hexachlorobutadiene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Hexachlorocyclopentadiene	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Hexachloroethane	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Indeno(1,2,3-cd)pyrene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Isophrone	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Nitrobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
n-Nitrosodimethylamine	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
n-Nitrosodi-n-propylamine	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
n-Nitrosodiphenylamine	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Pentachlorophenol	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Phenanthrene	5	ug/L		5.79	<LOQ	<LOQ	<LOQ
Phenol	5	ug/L	4000	11.8	35.4	5.36	5.15
Pyrene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
HEM;Oil & Grease Total recoverable	5	mg/L	100	<LOQ	<LOQ	14.6	9.99

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4a: Leachate (Pump Station)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	Pump Station #2	Pump Station #2	Pump Station #2	Pump Station #2
Sampling Period:				2018	2020	2021	2022
Non-polar Extractable Material (TPH)	2.5	mg/L				2.89	6.02

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4b: Leachate (RR Sump)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	RR Sump	RR sump	RR sump	RR sump
Sampling Period:				2018	2020	2021	2022
Aluminum	50	ug/L		1140	74.7	183	<LOQ
Antimony	20	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	200	64.1	22	28.5	17.9
Barium	1	ug/L	2000	182	440	450	351
Beryllium	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	700	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	3000 (total)	<LOQ	11.1	<LOQ	10.4
Cobalt	10	ug/L		48.3	25.4	32.4	24.3
Copper	50	ug/L	2800	<LOQ	53.3	73.9	126
Lead	10	ug/L	400	<LOQ	<LOQ	<LOQ	<LOQ
Magnaese	10	ug/L		525	99.3	145	96.5
Nickel	10	ug/L	2800	71.9	89.1	91.1	69.6
Selenium	20	ug/L	200	<LOQ	<LOQ	<LOQ	22.4
Silver	20	ug/L	800	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	1800	2200	<LOQ	135	<LOQ
Biochemical Oxygen Demand	2	mg/L		160	80.4	122	59.3
ASP Total Cyanide	0.01	mg/L	0.8	0.033	0.119	0.094	0.014
Hexavalent Chromium, ASP	40	ug/L	2000	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	200	<LOQ	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	Units	5.5 (low)- 9.5 (high)	7.37	7.19	7.33	7.04
Phenolics, Total Recoverable	0.025	mg/L		<LOQ	0.017	0.194	0.117
ASP Metal Digestion-Aqueous				Complete	Complete	Complete	Completed
Total kjeldahl nitrogen as N-ASP					400		

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4b: Leachate (RR Sump)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	RR Sump	RR sump	RR sump	RR sump
Total Suspended Solids	2	mg/L		250	73	172	18
Total Toxic Organics		mg/L	2.1	0.00211	0.01422	0.010594	
4,4-DDD	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4,4-DDE	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4,4-DDT	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
a-BHC	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
a-Chlordane	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Aldrin	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
b-BHC	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Chlordane	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
d-BHC	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dieldrin	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Endosulfan 1	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Endosulfan 2	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Endosulfan sulfate	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Endrin	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Endrin aldehyde	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Endrin ketone	0.1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
g-Chlordane	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Heptachlor	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Heptachlor epoxide	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Lindane	0.05	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Methoxychlor	0.1	ug/L		<LOQ	<LOQ	0.144	<LOQ
Toxaphene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PCB-1016	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PCB-1221	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PCB-1232	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4b: Leachate (RR Sump)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	RR Sump	RR sump	RR sump	RR sump
PBC-1242	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PBC-1248	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PCB-1254	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
PCB-1260	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromo-3-chloropropane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromomethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
trans-1,4-dichloro-2-butene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloropropene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L		<LOQ	0.38	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4b: Leachate (RR Sump)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	RR Sump	RR sump	RR sump	RR sump
1,2-dichloropropane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L		<LOQ	2.13	1.51	1.49
2,2-dichloropropane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L		<LOQ	1.34	0.956	1.1
Bromobenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L		2.11	7.78	5.94	5.97
Chloroethane	0.5	ug/L		<LOQ	0.38	0.25	<LOQ
Chloroform	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L		<LOQ	<LOQ	0.41	<LOQ
Hexachlobutadiene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L		<LOQ	0.861	<LOQ	0.506
Methyl iso-butyl ketone	2	ug/L		<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4b: Leachate (RR Sump)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	RR Sump	RR sump	RR sump	RR sump
Methyl tert butyl ether	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L		<LOQ	4.61	2.04	3.05
N-Butylbenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
N-propybenzene	0.5	ug/L		<LOQ	0.682	<LOQ	<LOQ
O-xylene	0.5	ug/L		<LOQ	0.552	<LOQ	<LOQ
P & M-xylene	1	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-Trichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,2-Dichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,3-Dichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
1,4-Dichlorobenzene	5	ug/L		<LOQ	1.12	<LOQ	<LOQ
2,4,6-trichlorophenol	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2,4-Dichlorophenol	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2,4-Dimethylphenol	5	ug/L		<LOQ	1.12	<LOQ	<LOQ
2,4- Dinitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2,4-Dinitrotoluene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2,6-Dinitrotoluene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4b: Leachate (RR Sump)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	RR Sump	RR sump	RR sump	RR sump
2-Chloronaphthalene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2-Chlorophenol	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2-Methyl-4,6-dinitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
2-Nitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
3,3'-Dichlorobenzidine	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4-Bromophenylphenylether	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4-Chloro-3-methylphenol	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4-Chorophenylphenylether	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
4-Nitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Acenaphthene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Aceaphthylene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Anthracene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Azobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzidine	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzo(a)anthracene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzo(a)pyrene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzo(b)fluoranthene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzo(g,h,i)perylene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzo(k)fluoranthene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Benzyl butyl phthalate	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
bis(2-chloroethoxy)methane	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
bis(2-chloroethyl)ether	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
bis(2-Ethylhexyl)phthalate	5	ug/L		<LOQ	<LOQ	2.06	17.6
Chrysene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dibenzo(a,h)anthracene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dithylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Dimethylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Di-n-butylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Di-n-octylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 4b: Leachate (RR Sump)

Constituent:	DL/LOQ	Units	County Daily Wastewater Limits (Avg.)	RR Sump	RR sump	RR sump	RR sump
Fluoranthene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Fluorene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Hexachlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Hexachlorobutadiene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Hexachlorocyclopentadiene	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Hexachloroethane	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Indeno(1,2,3-cd)pyrene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Isophrone	5	ug/L		<LOQ	1.86	<LOQ	<LOQ
Naphthalene	5	ug/L		<LOQ	1.58	2.2	<LOQ
Nitrobenzene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
n-Nitrosodimethylamine	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
n-Nitrosodi-n-propylamine	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
n-Nitrosodiphenylamine	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Pentachlorophenol	10	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Phenanthrene	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Phenol	5	ug/L		<LOQ	<LOQ	<LOQ	<LOQ
Pyrene	5	ug/L	4000	<LOQ	<LOQ	<LOQ	<LOQ
HEM;Oil & Grease Total recoverable	5	mg/L	100	<LOQ	<LOQ	97.3	5.87
Non-polar Extractable Material (TPH)	2.5	mg/L				6.82	2.57

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 5: Metro-North Source Contributions

Month Year	Railroad Landfill	Metro-North	Railroad Landfill	Metro-North	Railroad Landfill	Metro-North
	2018	2018	2020	2020	2021	2021
January	4,665,879	2,763,750	1,457,310	1,642,207	850,438	1,995,788
February	1,556,319	2,579,729	459,936	1,293,942	3,162,960	2,352,737
March	693,018	2,290,769	972,995	1,338,673	5,870,417	4,099,922
April	831,448	1,522,154	689,836	1,255,040	2,560,678	3,633,579
May	655,153	1,603,257	193,856	1,605,250	2,677,955	3,137,257
June	558,538	1,299,319	839,283	1,037,331	2,838,839	3,136,727
July	587,576	1,619,839	469,014	1,098,649	921,276	1,727,955
August	888,054	2,366,413	511,878	896,454	1,239,192	2,397,124
September	481,891	1,727,894	218,402	1,018,378	3,429,335	2,915,849
October	838,076	2,627,225	677,764	1,309,685	2,761,277	2,160,887
November	1,334,432	2,292,942	409,512	1,300,782	3,386,411	1,723,204
December	575,267	2,009,215	1,022,207	1,880,031	556,269	1,188,827

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR2D): Groundwater

Constituent:	DL/LOQ	Units	RR-2D	RR-2D	RR-2D	RR-2D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/30/2018	3/2/2020	5/4/2021	6/28/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			57.75'	57.75'	57.75'	57.75'
Depth to Water, Tow (ft.)			9.09'	9.35'	9.2'	9.60'
Water Level Elevation (ft.):			48.66'	48.4'	48.5'	48.15'
TOC - TOW (ft.):			10.10'-9.09'	9.55'-9.35'	9.4'-9.2'	9.80'-9.60'
Boron	100	ug/L	133	126	171	189
Calcium	1000	ug/L	93800	67100	84900	85200
Iron	50	ug/L	1100	526	738	760
Magnesium	1000	ug/L	62300	45100	57400	56800
Potassium	100	ug/L	5880	4210	5210	4980
Sodium	1000	ug/L	61800	44900	56800	55900
Aluminum	50	ug/L	251	<LOQ	38	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	344	224	339	273
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	36.7	<LOQ	29.9	22.3
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	1070	738	1150	993
Nickel	10	ug/L	196	129	197	159
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	39.9	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	2.2
Asp Calcium by ICP-AES	1000	ug/L	93800	67100	84900	85200
Chloride - ASP	5	mg/L	81	82	90	85
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	98	93	76	77
Color, Apparent	1	units	25	5	75	30
ASP Hardness as Calcium Carbonate	1	mg/L	490	350	450	450
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	62300	45100	57400	56800
Ammonia as N	0.05	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ	0.136
Corrosivity/pH	0.1	units	7.39	7.22	7.22	7.12

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR2D): Groundwater

Constituent:	DL/LOQ	Units	RR-2D	RR-2D	RR-2D	RR-2D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/30/2018	3/2/2020	5/4/2021	6/28/2022
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.008	Not Detected	0.0073
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	7.17	8.22	13.3	9.36
Total Dissolved Solids	2	mg/L	766	738	720	689.3
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.449	0.431	0.443	0.613
Total Organic Carbon	0.1	mg/L as C	35	29.5	28.6	32.5
Turbidity	0.02	NTU	7.98	4.1	198	3.84
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	4.86	6.69	6	7.24
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	2.2	2.66	2.22	2.35
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR2D): Groundwater

Constituent:	DL/LOQ	Units	RR-2D	RR-2D	RR-2D	RR-2D
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/30/2018	3/2/2020	5/4/2021	6/28/2022
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	7.05	9.71	8.45	10.7
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	1.18	1.63	1.24	1.25
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	0.572	0.769	0.511	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	1.14	3.09	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	0.578	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	1.14	1.74	1.22	1.15
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	0.9	0.862	0.632	0.707
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR2S): Groundwater

Constituent:	DL/LOQ	Units	RR-2S	RR-2S	RR-2S	RR-2S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/30/2018	3/2/2020	5/4/2021	6/28/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			29.20'	29.20'	29.20'	29.20'
Depth to Water, Tow (ft.)			10.09'	10.4'	10.15'	10.75'
Water Level Elevation (ft.):			19.11'	18.8'	19.05'	18.45'
TOC - TOW (ft.):			11.10'-10.09'	10.7'-10.4'	10.6'-10.15'	11.00'-10.75'
Boron	100	ug/L	148	144	136	<LOQ
Calcium	1000	ug/L	125000	112000	149000	129000
Iron	50	ug/L	1330	3210	15800	6650
Magnesium	1000	ug/L	53600	46900	64600	54000
Potassium	100	ug/L	5410	5030	7210	5080
Sodium	1000	ug/L	51200	41100	47600	42200
Aluminum	50	ug/L	872	1790	8770	3300
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	300	275	498	323
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	17.4	<LOQ
Cobalt	10	ug/L	39.8	30	47	26.7
Copper	50	ug/L	71.6	136	552	297
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	2830	2610	3990	2770
Nickel	10	ug/L	104	73.4	105	69.3
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	37.9	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	75.9	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500	Invalid
BioChemical Oxygen Demand	2	mg/L	<LOQ	3.57	2.8	2.5
Asp Calcium by ICP-AES	1000	ug/L	125000	112000	149000	129000
Chloride - ASP	5	mg/L	77	85	105	100
ASP Total Cyanide	0.01	mg/L	<LOQ	0.012	0.005	<LOQ
Chemical Oxygen Demand	5	mg/L	114	97	75	90
Color, Apparent	1	units	20	10	50	20
ASP Hardness as Calcium Carbonate	1	mg/L	530	470	640	540
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	0.275	<LOQ
ASP Magnesium	1000	ug/L	53600	46900	64600	54000
Ammonia as N	0.05	mg/L	0.0752	0.0725	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	units	6.87	6.79	6.79	6.63

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR2S): Groundwater

Constituent:	DL/LOQ	Units	RR-2S	RR-2S	RR-2S	RR-2S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/30/2018	3/2/2020	5/4/2021	6/28/2022
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.007	Not Detected	0.0087
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	45.7	58.7	57	58
Total Dissolved Solids	2	mg/L	854.7	802.7	876	860
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.644	0.708	0.492	0.846
Total Organic Carbon	0.1	mg/L as C	37.3	31.6	32.1	38.5
Turbidity	0.02	NTU	18.5	45.6	397	62.1
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	4.64	6.55	4.55	6.06
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR2S): Groundwater

Constituent:	DL/LOQ	Units	RR-2S	RR-2S	RR-2S	RR-2S
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/30/2018	3/2/2020	5/4/2021	6/28/2022
Benzene	0.5	ug/L	1.68	1.57	1.12	1.14
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	5.48	6.36	4.59	5
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	0.647	0.739	<LOQ	0.59
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	0.68	13.3	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	0.61	0.934	0.53	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR3): Groundwater

Constituent:	DL/LOQ	Units	RR-3	RR-3	RR-3	RR-3
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/2/2020	5/5/2021	6/28/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			26.88'	26.88'	26.88'	26.88'
Depth to Water, Tow (ft.)			11.5'	11.2'	11.6'	11.40'
Water Level Elevation (ft.):			15.38'	15.68'	15.28'	15.48'
TOC - TOW (ft.):			12'-11.5'	11.8'-11.2'	12.2'-11.6'	11.90'-11.40'
Boron	100	ug/L	<LOQ	54.2	<LOQ	<LOQ
Calcium	1000	ug/L	77100	66500	85300	108000
Iron	50	ug/L	2810	6220	6150	2720
Magnesium	1000	ug/L	21800	20500	24400	25500
Potassium	100	ug/L	5260	4520	4310	3630
Sodium	1000	ug/L	211000	177000	133000	71300
Aluminum	50	ug/L	<LOQ	227	584	61.3
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	14.2	14.1	<LOQ
Barium	10	ug/L	281	302	345	378
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	497	2070	1330	3550
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	417	419	447	351
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	77100	66500	8530	108000
Chloride - ASP	5	mg/L	310	270	180	190
ASP Total Cyanide	0.01	mg/L	0.014	<LOQ	0.011	<LOQ
Chemical Oxygen Demand	5	mg/L	7	9	6	<LOQ
Color, Apparent	1	units	35	5	5	25
ASP Hardness as Calcium Carbonate	1	mg/L	280	250	310	380
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	21800	20500	24400	25500
Ammonia as N	0.05	mg/L	0.114	<LOQ	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	0.122	0.114	0.185	0.138
N-Nitrate Calculated	0.05	mg/L	3.18	1.13	2.2	3.61

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR3): Groundwater

Constituent:	DL/LOQ	Units	RR-3	RR-3	RR-3	RR-3
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/2/2020	5/5/2021	6/28/2022
Corrosivity/pH	0.1	units	7.4	7.6	7.37	7.16
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.007	Not Detected	0.0051
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	19.8	32.3	48.4	45.3
Total Dissolved Solids	2	mg/L	878	852	744	728
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.256	0.255	0.417	0.348
Total Organic Carbon	0.1	mg/L as C	0.812	0.933	1.22	1.74
Turbidity	0.02	NTU	22.1	34.8	28.8	44.3
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR3): Groundwater

Constituent:	DL/LOQ	Units	RR-3	RR-3	RR-3	RR-3
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/2/2020	5/5/2021	6/28/2022
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	1.5	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR4): Groundwater

Constituent:	DL/LOQ	Units	RR-4	RR-4	RR-4	RR-4
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/2/2020	5/4/2021	6/28/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			15.85'	15.85'	15.85'	15.85'
Depth to Water, Tow (ft.)			6.5'	6.4'	6.9'	7.80'
Water Level Elevation (ft.):			9.35'	9.45'	8.9'	8.05'
TOC - TOW (ft.):			7.02'-6.5'	7.1'-6.4'	7.6'-6.9'	8.00'-7.80'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	81900	44900	53700	68400
Iron	50	ug/L	2180	3440	7770	1220
Magnesium	1000	ug/L	28600	16900	19400	22400
Potassium	100	ug/L	6790	3580	4990	6820
Sodium	1000	ug/L	11800	12300	15900	130000
Aluminum	50	ug/L	980	990	2020	340
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	108	108	172	117
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	983	3130	3890	892
Nickel	10	ug/L	<LOQ	<LOQ	10.4	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	170	200	134
Alkalinity as Calcium Carbonate	5	mg/L	282	237	23	316
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	81900	44900	53700	68400
Chloride - ASP	5	mg/L	5	7	31	205
ASP Total Cyanide	0.01	mg/L	0.015	<LOQ	0.11	0.005
Chemical Oxygen Demand	5	mg/L	35	25	8	<LOQ
Color, Apparent	1	units	30	5	75	20
ASP Hardness as Calcium Carbonate	1	mg/L	320	180	210	260
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	28600	16800	19400	22400
Ammonia as N	0.05	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	0.0159	<LOQ
N-Nitrate Calculated	0.05	mg/L	0.327	0.226	0.337	1.8
Corrosivity/pH	0.1	units	6.94	7.25	7.2	7

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR4): Groundwater

Constituent:	DL/LOQ	Units	RR-4	RR-4	RR-4	RR-4
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/2/2020	5/4/2021	6/28/2022
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.005	Not Detected	0.006
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	32.7	28.7	21.7	16
Total Dissolved Solids	2	mg/L	338	296	236	694
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	1.04	0.612	0.911	0.469
Total Organic Carbon	0.1	mg/L as C	10.2	4.92	3.93	2.94
Turbidity	0.02	NTU	21	50.4	165	14.4
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR4): Groundwater

Constituent:	DL/LOQ	Units	RR-4	RR-4	RR-4	RR-4
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/2/2020	5/4/2021	6/28/2022
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR5): Groundwater

Constituent:	DL/LOQ	Units	RR-5	RR-5	RR-5	RR-5
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/3/2020	5/5/2021	6/28/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			19.35'	19.35'	19.35'	19.35'
Depth to Water, Tow (ft.)			11.04'	11.25'	11.5'	11.50'
Water Level Elevation (ft.):			8.31'	8.1'	7.85'	7.85'
TOC - TOW (ft.):			11.07'-11.04	.55'-11.25'	11.8'-11.5'	11.70'-11.50'
Boron	100	ug/L	<LOQ	64.3	52.7	<LOQ
Calcium	1000	ug/L	152000	101000	103000	133000
Iron	50	ug/L	5810	4040	4350	3630
Magnesium	1000	ug/L	29300	16600	18200	22900
Potassium	100	ug/L	7200	5440	4880	5280
Sodium	1000	ug/L	106000	57700	20800	24500
Aluminum	50	ug/L	<LOQ	<LOQ	111	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	218	147	158	132
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	1060	682	1200	802
Nickel	10	ug/L	10.4	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	474	366	451
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	152000	101000	103000	133000
Chloride - ASP	5	mg/L	180	60	21	65
ASP Total Cyanide	0.01	mg/L	<LOQ	0.012	0.006	<LOQ
Chemical Oxygen Demand	5	mg/L	12	24	13	6
Color, Apparent	1	units	20	60	15	40
ASP Hardness as Calcium Carbonate	1	mg/L	500	320	330	430
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	29300	16600	18200	22900
Ammonia as N	0.05	mg/L	0.533	0.383	0.201	0.291
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	0.0285	0.0306	0.027
N-Nitrate Calculated	0.05	mg/L	<LOQ	0.506	0.368	0.568
Corrosivity/pH	0.1	units	6.75	6.89	7.1	6.87

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR5): Groundwater

Constituent:	DL/LOQ	Units	RR-5	RR-5	RR-5	RR-5
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/3/2020	5/5/2021	6/28/2022
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.006	Not Detected	0.0079
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	40	32.9	30.2	21
Total Dissolved Solids	2	mg/L	872	632	480	642
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	1.03	1.05	0.881	0.936
Total Organic Carbon	0.1	mg/L as C	3.77	8.38	5.31	6.47
Turbidity	0.02	NTU	10.6	1.76	24.6	17.8
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR5): Groundwater

Constituent:	DL/LOQ	Units	RR-5	RR-5	RR-5	RR-5
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/3/2020	5/5/2021	6/28/2022
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	0.25	0.31	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	0.525	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR6): Groundwater

Constituent:	DL/LOQ	Units	RR-6	RR-6	RR-6	RR-6
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/3/2020	5/5/2021	6/29/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			77.65'	77.65'	77.65'	77.65'
Depth to Water, Tow (ft.)			69.6'	69.2'	69.6'	69.40'
Water Level Elevation (ft.):			8.05'	8.45'	8.05'	8.25'
TOC - TOW (ft.):			69.95'-69.60'	9.55'-69.2'	69.9'-69.6'	69.70'-69.40'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	168000	111000	135000	128000
Iron	50	ug/L	1810	2090	3820	2240
Magnesium	1000	ug/L	43600	29800	36700	35700
Potassium	100	ug/L	4040	4180	4420	4030
Sodium	1000	ug/L	4960	7520	6420	6220
Aluminum	50	ug/L	<LOQ	209	255	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	214	206	270	176
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	3470	2620	3320	2130
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	489	495	489
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	168000	111000	135000	128000
Chloride - ASP	5	mg/L	6	<LOQ	5	5
ASP Total Cyanide	0.01	mg/L	<LOQ	0.014	0.007	<LOQ
Chemical Oxygen Demand	5	mg/L	9	7	4	<LOQ
Color, Apparent	1	units	<LOQ	15	15	5
ASP Hardness as Calcium Carbonate	1	mg/L	600	400	490	470
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	43600	29800	36700	35700
Ammonia as N	0.05	mg/L	0.107	0.0586	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	0.163	0.944	0.513
N-Nitrate Calculated	0.05	mg/L	<LOQ	5.18	1.14	2.4
Corrosivity/pH	0.1	units	6.64	6.89	6.96	6.91
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.005	Not Detected	0.0111

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR6): Groundwater

Constituent:	DL/LOQ	Units	RR-6	RR-6	RR-6	RR-6
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/3/2020	5/5/2021	6/29/2022
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	18.7	63.7	54.1	50.8
Total Dissolved Solids	2	mg/L	670	584	658	641.3
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.493	0.651	0.523	0.401
Total Organic Carbon	0.1	mg/L as C	3.15	2.17	2.48	2.63
Turbidity	0.02	NTU	0.78	5.74	23.1	3.23
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirichloropropane	0.5	ug/L	1.1	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	0.42	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR6): Groundwater

Constituent:	DL/LOQ	Units	RR-6	RR-6	RR-6	RR-6
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/3/2020	5/5/2021	6/29/2022
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	0.4	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	10.7	0.913	2.06	1.8
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	4.8	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	0.613	0.885	<LOQ	0.99
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	0.37	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	1.28	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	0.36	<LOQ	<LOQ	<LOQ
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR1): Groundwater

Constituent:	DL/LOQ	Units	RR-1	RR-1	RR-1	RR-1
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/30/2018	3/2/2020	5/4/2021	6/29/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			27.05'	27.05'	27.05'	27.05'
Depth to Water, Tow (ft.)			20.30'	19.55'	19.35'	20.40'
Water Level Elevation (ft.):			7.02'	7.5'	7.7'	6.65'
TOC - TOW (ft.):			20.6'-20.3'	.90'-19.55'	19.7'-19.35'	20.70'-20.40'
Boron	100	ug/L	<LOQ	56.3	61.4	<LOQ
Calcium	1000	ug/L	124000	124000	124000	124000
Iron	50	ug/L	8770	19500	18600	2460
Magnesium	1000	ug/L	61100	62900	61700	55600
Potassium	100	ug/L	5060	6520	6160	3990
Sodium	1000	ug/L	17500	17000	16700	15900
Aluminum	50	ug/L	6700	14300	10200	898
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	35.1	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	278	392	364	197
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	21.4	29.3	24.9	<LOQ
Cobalt	10	ug/L	<LOQ	12.6	11.4	<LOQ
Copper	50	ug/L	<LOQ	40.1	35.9	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	10.2	<LOQ
Manganese	10	ug/L	717	1540	1260	427
Nickel	10	ug/L	18.3	35.4	32.2	11.6
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	35.1	35.3	<LOQ
Zinc	80	ug/L	<LOQ	167	89.5	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	124000	124000	124000	124000
Chloride - ASP	5	mg/L	46	64	65	73
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	8	8	5	<LOQ
Color, Apparent	1	units	<LOQ	20	25	20
ASP Hardness as Calcium Carbonate	1	mg/L	560	570	560	540
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	61100	62900	61700	55600
Ammonia as N	0.05	mg/L		<LOQ	<LOQ	0.0756
Nitrite Nitrogen as N	0.01	mg/L		<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L		<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR1): Groundwater

Constituent:	DL/LOQ	Units	RR-1	RR-1	RR-1	RR-1
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/30/2018	3/2/2020	5/4/2021	6/29/2022
Corrosivity/pH	0.1	units	7	7.1	7.16	6.74
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.007	Not Detected	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	25.8	27.1	29.2	29.6
Total Dissolved Solids	2	mg/L	618	618.7	606.7	687
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.557	0.232	0.917	0.575
Total Organic Carbon	0.1	mg/L as C	1.8	2.33	2.54	8.01
Turbidity	0.02	NTU	32	27.2	195	19.3
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	14.4	10.7	<LOQ	9.53
1,1-dirichloropropane	0.5	ug/L	<LOQ	<LOQ	7.28	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	2	1.73	1.05	1.38
1,2-dichloropropane	0.5	ug/L	0.681	0.793	0.45	0.597
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	2.45	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR1): Groundwater

Constituent:	DL/LOQ	Units	RR-1	RR-1	RR-1	RR-1
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/30/2018	3/2/2020	5/4/2021	6/29/2022
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	0.873	0.884	0.35	0.519
Chloroform	0.5	ug/L	0.32	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	48.2	28.3	11.3	26.5
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	1.74	0.737	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	1.89	2.36	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	0.42	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	0.681	0.622	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	0.26	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	12.9	12.3	10.7	<LOQ
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR7): Groundwater

Constituent:	DL/LOQ	Units	RR-7	RR-7	RR-7	RR-7
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/3/2020	5/5/2021	6/29/2022
Diameter (Inches):			2"	2"	2"	2"
Well Depth, Tow (ft.):			75.80'	75.80'	75.80'	75.80'
Depth to Water, Tow (ft.)			69'	68.40'	68.9'	68.70'
Water Level Elevation (ft.):			6.8'	7.4'	6.9'	7.10'
TOC - TOW (ft.):			69.25'-69'	68.7'-68.4'	69.2'-68.9'	69.00'-68.70'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	165000	142000	197000	186000
Iron	50	ug/L	4850	3980	5390	3660
Magnesium	1000	ug/L	101000	87500	97000	91600
Potassium	100	ug/L	5960	5410	6720	6430
Sodium	1000	ug/L	6360	6210	6510	5890
Aluminum	50	ug/L	<LOQ	<LOQ	842	275
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	582	466	751	585
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	3780	3260	4350	3410
Nickel	10	ug/L	13.9	10	15.5	14.2
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	165000	142000	197000	186000
Chloride - ASP	5	mg/L	19	16	16	25
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	16	8	8	9
Color, Apparent	1	units	5	50	10	20
ASP Hardness as Calcium Carbonate	1	mg/L	830	720	890	840
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	101000	87500	97000	91600
Ammonia as N	0.05	mg/L	<LOQ	0.0542	<LOQ	0.0573
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	0.078	0.0567	0.0627
Corrosivity/pH	0.1	units	6.73	6.76	6.66	6.53
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.005	Not Detected	0.0101

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR7): Groundwater

Constituent:	DL/LOQ	Units	RR-7	RR-7	RR-7	RR-7
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/3/2020	5/5/2021	6/29/2022
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	26	31.4	34.5	34.2
Total Dissolved Solids	2	mg/L	956	934	946	940
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.327	0.288	0.489	0.473
Total Organic Carbon	0.1	mg/L as C	3	3.16	3.68	4.29
Turbidity	0.02	NTU	16.8	5.42	22.1	13.1
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	Not Analyzed	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	Not Analyzed	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	Not Analyzed	<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	Not Analyzed	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	Not Analyzed	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	Not Analyzed	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	Not Analyzed	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	Not Analyzed	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	5.47	5.09	3.21	3.14
1,1-dichloropropane	0.5	ug/L	0.638	0.616	0.31	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	3.68	3.44	2.21	2.5
1,2-dichloropropane	0.5	ug/L	1.92	2.21	1.45	1.23
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	0.25	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 6 (RR7): Groundwater

Constituent:	DL/LOQ	Units	RR-7	RR-7	RR-7	RR-7
Sampling Period:			2018	2020	2021	2022
Sampling Date:			10/31/2018	3/3/2020	5/5/2021	6/29/2022
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	0.831	0.903	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	140 E	97.3	76.1	89.2
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	0.4	0.755	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	2.76	37.5	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	2.69	1.52	0.741	1.45
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	2	1.84	0.889	1.07
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	2.36	2.41	1.24	1.25
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	15.1	12.8	11.4	8.79
1,4 Dioxane	1	ug/L				<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 7 (RR-L): Surface Water

Constituent:	DL/LOQ	Units	RR Surface Left	RR Surface Left	RR Surface Left	RR Surface Left
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/15/2018	3/12/2020	5/6/2021	6/29/2022
Boron	100	ug/L	<LOQ	369	130	1010
Calcium	1000	ug/L	23400	45200	27800	64500
Iron	50	ug/L	1020	703	960	<LOQ
Magnesium	1000	ug/L	5210	82100	31000	146000
Potassium	100	ug/L	1800	33100	12900	44600
Sodium	1000	ug/L	17300	637000	230000	1140000
Aluminum	50	ug/L	639	390	504	136
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	16.8	20.6	18.7	28.3
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	57.2
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	60.8	32.9	71.1	60.6
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	21.2
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	74.3	69.4	57	71.5
BioChemical Oxygen Demand	2	mg/L	<LOQ		<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	23400	45200	27800	64500
Chloride - ASP	5	mg/L	34	1525	550	2900
ASP Total Cyanide	0.01	mg/L	0.01	<LOQ	0.006	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 7 (RR-L): Surface Water

Constituent:	DL/LOQ	Units	RR Surface Left	RR Surface Left	RR Surface Left	RR Surface Left
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/15/2018	3/12/2020	5/6/2021	6/29/2022
Chemical Oxygen Demand	5	mg/L	18	18	14	36
Color, Apparent	1	units	30	30	15	25
ASP Hardness as Calcium Carbonate	1	mg/L	80	450	200	760
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	5210	82100	31000	146000
Ammonia as N	0.05	mg/L	0.0621	0.161	0.111	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	0.0157	<LOQ	0.0114
N-Nitrate Calculated	0.05	mg/L	0.53	0.542	0.414	0.443
Corrosivity/pH	0.1	units	7.8	7.62	7.95	7.56
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.004	Not Detected	0.0076
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	12.8	220	74.2	379
Total Dissolved Solids	2	mg/L	193.3	2853	1033.3	4864
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.4	0.642	0.431	0.478
Total Organic Carbon	0.1	mg/L as C	5.21	0.533	1.33	0.802
Turbidity	0.02	NTU	24.9	17.9	17.8	7.4
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 7 (RR-L): Surface Water

Constituent:	DL/LOQ	Units	RR Surface Left	RR Surface Left	RR Surface Left	RR Surface Left
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/15/2018	3/12/2020	5/6/2021	6/29/2022
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirchloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 7 (RR-L): Surface Water

Constituent:	DL/LOQ	Units	RR Surface Left	RR Surface Left	RR Surface Left	RR Surface Left
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/15/2018	3/12/2020	5/6/2021	6/29/2022
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propybenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 7 (RR-L): Surface Water

Constituent:	DL/LOQ	Units	RR Surface Left	RR Surface Left	RR Surface Left	RR Surface Left
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/15/2018	3/12/2020	5/6/2021	6/29/2022
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 7 (RR-R): Surface Water

Constituent:	DL/LOQ	Units	RR Surface Right	RR Surface Right	RR Surface Right	RR Surface Right
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/15/2018	3/12/2020	5/6/2021	6/29/2022
Boron	100	ug/L	<LOQ	406	166	<LOQ
Calcium	1000	ug/L	23900	50700	27600	64700
Iron	50	ug/L	1080	839	657	<LOQ
Magnesium	1000	ug/L	5330	91200	30800	145000
Potassium	100	ug/L	1790	37200	10800	45900
Sodium	1000	ug/L	17200	691000	229000	1140000
Aluminum	50	ug/L	686	475	335	128
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	18.3	24.3	32.9	28
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ	61
Lead	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	64.1	42.3	49.3	57.9
Nickel	10	ug/L	28.7	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ	20.9
Silver	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	72.9	69.8	57	71.5
BioChemical Oxygen Demand	2	mg/L	<LOQ	3	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	23900	50700	27600	64700
Chloride - ASP	5	mg/L	33	1525	540	2800
ASP Total Cyanide	0.01	mg/L	0.01	<LOQ	0.006	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 7 (RR-R): Surface Water

Constituent:	DL/LOQ	Units	RR Surface Right	RR Surface Right	RR Surface Right	RR Surface Right
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/15/2018	3/12/2020	5/6/2021	6/29/2022
Chemical Oxygen Demand	5	mg/L	13	16	13	37
Color, Apparent	1	units	25	20	5	25
ASP Hardness as Calcium Carbonate	1	mg/L	82	500	200	760
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	5330	91200	30800	145000
Ammonia as N	0.05	mg/L	0.0608	0.156	0.0888	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	0.0145	<LOQ	0.0101
N-Nitrate Calculated	0.05	mg/L	0.515	0.548	0.436	0.451
Corrosivity/pH	0.1	units	7.87	7.66	7.88	7.7
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.008	Not Detected	0.0056
ASP Metal Digestion - Aqueous			Complete	Complete	Complete	Completed
NH4 Preparation			Complete	Complete	Complete	Completed
Sulfate, Aqueous	1	mg/L	12.6	215	75.2	388
Total Dissolved Solids	2	mg/L	126.7	2687	840	5196
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.395	0.675	0.572	0.542
Total Organic Carbon	0.1	mg/L as C	5.24	0.578	1.12	0.934
Turbidity	0.02	NTU	24.5	17.2	14.4	7.07
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 7 (RR-R): Surface Water

Constituent:	DL/LOQ	Units	RR Surface Right	RR Surface Right	RR Surface Right	RR Surface Right
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/15/2018	3/12/2020	5/6/2021	6/29/2022
Carbon Disulfide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,1-dirchloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
Post Closure Monitoring and Sampling Report, Table 7 (RR-R): Surface Water

Constituent:	DL/LOQ	Units	RR Surface Right	RR Surface Right	RR Surface Right	RR Surface Right
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/15/2018	3/12/2020	5/6/2021	6/29/2022
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001
 Post Closure Monitoring and Sampling Report, Table 7 (RR-R): Surface Water

Constituent:	DL/LOQ	Units	RR Surface Right	RR Surface Right	RR Surface Right	RR Surface Right
Sampling Period:			2018	2020	2021	2022
Sampling Date:			11/15/2018	3/12/2020	5/6/2021	6/29/2022
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ	<LOQ

George Latimer
County Executive

Department of Laboratories and Research

Aleksandar Milovanovic, M.D.
Pathologist/Medical Examiner

11/02/2022

Gregory Stey
Superintendent of Landfills
Westchester County Department of Environmental Facilities
Sprout Brook Residue Facility
5729 Albany Post Rd, Cortlandt Manor NY 10567

RE: QC Failures on 1,4-Dioxane Reporting

Dear Mr. Stey;

I am writing concerning the Croton Landfill sampling event from July 2022. Added to your regulatory requirement this round was the contaminant 1,4-Dioxane, with the analysis specific to using method EPA 8270D SIM. Since our laboratory currently maintains this analyte accreditation only by EPA 8260C, we had to sub-contract these samples to Microbac Laboratories for analysis.

I attached separately the specific report S2G0372 from Microbac, dated 9/28/2022. The reported results are summarized on pages 3 and 4, the raw QC data appears on page 5, with qualifications defined on page 6. Every analytical run has to demonstrate negative control (blank), positive control (LCS), matrix control (Matrix Spike or MS), and replicate precision (Relative % Difference or RPD). In addition, this analysis calls for the use of a surrogate compound. The LCS and surrogate both recovered well below QC specifications, indicating something was likely not done correctly in the contract lab causing a low bias and possibly biasing the reported results low. Establishing LCS low bias on a result reported as less than the Limit of Quantitation (<LOQ) renders the analytical data suspect.

This was a sub-contract laboratory issue, made worse by not informing us as the client in a timely manner so as to allow your Agency to re-sample within the quarterly required time-frame. Analytical mistakes will happen, but the correct response is to report the mishap to the client immediately to permit re-sample.

Future analysis for 1,4-Dioxane will be conducted in-house once we expand our accreditation to include the EPA 8270D SIM method. If by chance mistakes happen, you will be notified right away, not 2 months later.

Sincerely;



Robert W. Hilbrandt Jr, RSO
Chief of Environmental Lab Services
Westchester County Department of Laboratories & Research
Tel: (914)231-1768

10 Dana Road
Valhalla, New York 10595
Tel. (914) 231-1715
Fax (914) 231-4458

Medical Examiner
Tel. (914) 231-1600
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Forensic & Toxicology
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Public Health
Tel. (914) 231-1610 (Microbiology)
Tel. (914) 231-1620 (Environmental)
Fax (914) 231-4458



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S2G0372

Project Description

Groundwater / 1.4 Dioxane

For:

Robert Hilbrandt

Westchester County Department of Labs & Research

10 Dana RD

Valhalla, NY 10595

A handwritten signature in black ink, appearing to read "Renee Lantz".

Customer Relationship Specialist

Renee Lantz

Wednesday, September 28, 2022

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc., Sayre Division. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

Microbac Laboratories, Inc.

2369 Elmira Street | Sayre, PA 18840 | 570-888-0169 p | www.microbac.com



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S2G0372

Westchester County Department of Labs & Research

Robert Hilbrandt
10 Dana RD
Valhalla, NY 10595

Project Name: Groundwater / 1,4 Dioxane

Project / PO Number: N/A
Received: 07/14/2022
Reported: 09/28/2022

Sample Summary Report

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
AY11878	S2G0372-01	Aqueous	Grab	07/11/22 07:35	07/14/22 09:28	
AY11879	S2G0372-02	Aqueous	Grab	07/11/22 08:00	07/14/22 09:28	
AY11880	S2G0372-03	Aqueous	Grab	07/11/22 09:10	07/14/22 09:28	
AY11881	S2G0372-04	Aqueous	Grab	07/11/22 09:45	07/14/22 09:28	
AY11882	S2G0372-05	Aqueous	Grab	07/11/22 10:20	07/14/22 09:28	
AY11883	S2G0372-06	Aqueous	Grab	07/11/22 10:55	07/14/22 09:28	



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S2G0372

Analytical Testing Parameters

Client Sample ID: AY11878
Sample Matrix: Aqueous
Lab Sample ID: S2G0372-01

Collected By: SD-Client
Collection Date: 07/11/2022 7:35

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Semivolatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8270D SIM								
1,4-Dioxane	23	5	ug/L	5		07/18/22 1800	07/22/22 1653	SCB
Surrogate: 1,4-Dioxane-d8	4.57	Limit: 20-129	% Rec	5	S2	07/18/22 1800	07/22/22 1653	SCB
Surrogate: 1,4-Dioxane-d8	5.41	Limit: 20-129	% Rec	1	S2	07/18/22 1800	07/21/22 1529	SCB

Client Sample ID: AY11879
Sample Matrix: Aqueous
Lab Sample ID: S2G0372-02

Collected By: SD-Client
Collection Date: 07/11/2022 8:00

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Semivolatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8270D SIM								
1,4-Dioxane	41	10	ug/L	10		07/18/22 1800	07/22/22 1707	SCB
Surrogate: 1,4-Dioxane-d8	3.01	Limit: 20-129	% Rec	10	S2	07/18/22 1800	07/22/22 1707	SCB
Surrogate: 1,4-Dioxane-d8	3.29	Limit: 20-129	% Rec	1	S2	07/18/22 1800	07/21/22 1542	SCB

Client Sample ID: AY11880
Sample Matrix: Aqueous
Lab Sample ID: S2G0372-03

Collected By: SD-Client
Collection Date: 07/11/2022 9:10

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Semivolatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8270D SIM								
1,4-Dioxane	4	1	ug/L	1	Q3	07/18/22 1800	07/21/22 1556	SCB
Surrogate: 1,4-Dioxane-d8	2.52	Limit: 20-129	% Rec	1	S2	07/18/22 1800	07/21/22 1556	SCB

Client Sample ID: AY11881
Sample Matrix: Aqueous
Lab Sample ID: S2G0372-04

Collected By: SD-Client
Collection Date: 07/11/2022 9:45

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Semivolatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8270D SIM								
1,4-Dioxane	<1	1	ug/L	1	Q3	07/18/22 1800	07/21/22 1610	SCB
Surrogate: 1,4-Dioxane-d8	5.17	Limit: 20-129	% Rec	1	S2	07/18/22 1800	07/21/22 1610	SCB

Microbac Laboratories, Inc.

2369 Elmira Street | Sayre, PA 18840 | 570-888-0169 p | www.microbac.com

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Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S2G0372

Client Sample ID:	AY11882	Collected By:	SD-Client
Sample Matrix:	Aqueous	Collection Date:	07/11/2022 10:20
Lab Sample ID:	S2G0372-05		

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Semivolatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8270D SIM								
1,4-Dioxane	<1	1	ug/L	1	Q3	07/18/22 1800	07/21/22 1624	SCB
Surrogate: 1,4-Dioxane-d8	4.36	Limit: 20-129	% Rec	1	S2	07/18/22 1800	07/21/22 1624	SCB

Client Sample ID:	AY11883	Collected By:	SD-Client
Sample Matrix:	Aqueous	Collection Date:	07/11/2022 10:55
Lab Sample ID:	S2G0372-06		

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Semivolatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8270D SIM								
1,4-Dioxane	6	1	ug/L	1	Q3	07/18/22 1800	07/21/22 1638	SCB
Surrogate: 1,4-Dioxane-d8	2.64	Limit: 20-129	% Rec	1	S2	07/18/22 1800	07/21/22 1638	SCB



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S2G0372

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 8270D SIM	B2G0686	B2G0686-BLK1	
		B2G0686-BS1	
		B2G0686-BSD1	
		B2G0686-MRL1	
		S2G0372-01	AY11878
		S2G0372-02	AY11879
		S2G0372-03	AY11880
		S2G0372-04	AY11881
		S2G0372-05	AY11882
		S2G0372-06	AY11883
		S2G0372-01RE1	AY11878
		S2G0372-02RE1	AY11879
Method	Batch	Laboratory ID	Client / Source ID
EPA 8270D SIM	B2G1212	B2G1212-BLK1	
		B2G1212-BS1	
		B2G1212-BSD1	

Batch Quality Control Summary: Microbac Laboratories Inc., - Marietta, OH

Semivolatile Organic Compounds by GCMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
Batch B2G0686 - 3520C - EPA 8270D SIM										
Blank (B2G0686-BLK1)					Prepared: 07/18/2022 Analyzed: 07/21/2022					
1,4-Dioxane	<1	1	ug/L							
Surrogate: 1,4-Dioxane-d8	1.06		ug/L	50.0	2.13	20-129				S2
LCS (B2G0686-BS1)										
1,4-Dioxane	<1	1	ug/L	5.00	17.8	30-104				Q
Surrogate: 1,4-Dioxane-d8	0.907		ug/L	50.0	1.81	20-129				S2
LCS Dup (B2G0686-BSD1)										
1,4-Dioxane	2	1	ug/L	5.00	37.7	30-104	71.9	20	R1	
Surrogate: 1,4-Dioxane-d8	1.95		ug/L	50.0	3.90	20-129				S2

Batch B2G1212 - 3520C - EPA 8270D SIM

Blank (B2G1212-BLK1)				Prepared: 07/28/2022 Analyzed: 08/02/2022
1,4-Dioxane	<1	1	ug/L	
Surrogate: 1,4-Dioxane-d8	2.47		ug/L	5.00 49.3 20-129
LCS (B2G1212-BS1)				
1,4-Dioxane	3	1	ug/L	5.00 52.2 30-104

Microbac Laboratories, Inc.



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S2G0372

Semivolatile Organic Compounds by GCMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
Batch B2G1212 - 3520C - EPA 8270D SIM										
LCS (B2G1212-BS1)										
Surrogate: 1,4-Dioxane-d8										
	2.49		ug/L	5.00		49.8	20-129			
LCS Dup (B2G1212-BSD1)										
1,4-Dioxane	2	1	ug/L	5.00		46.2	30-104	12.2	20	
Surrogate: 1,4-Dioxane-d8	2.26		ug/L	5.00		45.2	20-129			

Definitions

- D3:** Dilution was performed due to high target analyte concentration.
DF: Dilution Factor representing the amount the sample was diluted during analysis and may not represent preparation factors.
Q: One or more quality control criteria failed.
Q3: LCS recovery is below acceptance limits. The reported value is estimated.
R1: Duplicate RPD is outside of acceptance limits.
RL: Reporting Limit
RPD: Relative Percent Difference
S2: Surrogate recovery is below acceptance limits.
ug/L: Micrograms per Liter
ug/mL: Micrograms per Milliliter

Cooler Receipt Log

Cooler ID:	Default Cooler	Temp:	°C

Cooler Inspection Checklist

Ice Present or not required?	Yes	Shipping containers sealed or not required?	Yes
Custody seals intact or not required?	Yes	Chain of Custody (COC) Present?	Yes
COC includes customer information?	Yes	Relinquished and received signature on COC?	Yes
Sample collector identified on COC?	Yes	Sample type identified on COC?	Yes
Correct type of Containers Received	Yes	Correct number of containers listed on COC?	Yes
Containers Intact?	Yes	COC includes requested analyses?	Yes
Enough sample volume for indicated tests received?	Yes	Sample labels match COC (Name, Date & Time?)	Yes
Samples arrived within hold time?	Yes	Correct preservatives on COC or not required?	Yes
Chemical preservations checked or not required?	Yes	Preservation checks meet method requirements?	Yes
VOA vials have zero headspace, or not recd.?	Yes		

Project Requested Certification(s)

Microbac Laboratories Inc., - Marietta, OH
10861

NY State Department of Health



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S2G0372

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

A handwritten signature in black ink, appearing to read "Renee Lantz".

Renee Lantz

Customer Relationship Specialist

Reported: 09/28/2022 11:29

CHAIN OF CUSTODY

REPORT TO: Westchester County

Dept. of Labs & Research

10 Dana Road

Valhalla, NY 10595

CONTACT James Marshall

PH# 914-231-1771

FAX# 914-231-4458

BILL TO:

PO#

PROJECT DESCRIPTION

SAMPLER SIGNATURE / AFFILIATION

CONTAINER SAMPLING POINT

	DATE SAMPLED	TIME OF SAMPLING	SAMPLE MATRIX	SAMPLE TYPE - GARB/COMPOSITE	SAMPLER INTRATIS	LAB USE ONLY
1	AY11878	7/1/22 7:35	NP G	SD	8/3/22 S/N	
2	AY11879	7/1/22 8:00	NP G	SD		
3	AY11880	7/1/22 9:10	NP G	SD		
4	AY11881	7/1/22 9:45	NP G	SD		
5	AY11882	7/1/22 10:20	NP G	SD		
6	AY11883	7/1/22 10:55	NP G	SD		
7						
8						
9						
10						
11						

Microbac Laboratories, Inc.
2566 Pennsylvania Avenue
Sayre, Pa 18840
P 570-388-0169
f 570-388-0717

PAGE 1 OF 1

ARE SPECIAL DETECTION LIMITS NEEDED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	RESULTS ARE BEING USED FOR: <input type="checkbox"/> NYDOH <input type="checkbox"/> NYDEC <input type="checkbox"/> PADERP <input type="checkbox"/> LANDFILL
IF YES, PLEASE ATTACH A QC PACKAGE NEEDED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	IF YES, PLEASE ATTACH REQUIREMENTS Please fill out applicable are completely



Chester County Department of Labs & Research

PM: Renee Lantz

REFRIGERATE SAMPLES AFTER COLLECTION	TRANSPORT TO LABORATORY IN COOLER WITH ICE	PROJECT DESCRIPTION	SAMPLER SIGNATURE / AFFILIATION	SAMPLE MATRIX	PRESERVATIVE	LAB USE ONLY
DW DRINKING WATER	SL SLUDGE	H HYDROCHLORIC ACID	NaOH SODIUM HYDROXIDE			
GW GROUND WATER	SO SOIL	S SULFURIC ACID	As ASCORBIC ACID			
SW SURFACE WATER	H2 HAZARDOUS	N NITRIC ACID	Ac ACETIC ACID			
WW WASTE WATER	OTHER	SO ₃ SODIUM SULFITE	NH ₄ AMMONIUM CHLORIDE			
DE DEIONIZED WATER	DI DISTILLED WATER	Thio SODIUM THIOSULFATE	ZN ZINC ACETATE			
		- NONE	Hg MERCURIC CHLORIDE			

An incomplete chain of custody may delay the
processing of your sample(s).ANALYSIS TO BE PERFORMED
(PER CONTAINER)8/3/22 S/N
14 Dioxane

TEMPERATURE UPON RECEIPT	ARRIVAL ON ICE Y/N
RELINQUISHED BY: <i>[Signature]</i>	DATE: 7/1/22 TIME: 11:10 RECEIVED BY:
RELINQUISHED BY: <i>[Signature]</i>	DATE: / / TIME: / / RECEIVED BY:
RELINQUISHED BY: <i>[Signature]</i>	DATE: / / TIME: / / RECEIVED BY:
RELINQUISHED BY: <i>[Signature]</i>	DATE: / / TIME: / / RECEIVED BY:

All Graphics Printed 5/10/2024 9:08:08AM

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : SOIL A

Collection Point : SOIL A

Collected By : DUVAL & STEY

ID of Source :
Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Collection Date : 07/13/2022 AT 9:20:00AM
Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :
Free Cl2 : **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : S_SOIL

add'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
SW846/6020A	Silver SW by MS	< LOQ		mg/Kg dry wt	3.0	07/21/2022	MO
SW846/6020A	Arsenic SW by MS	2.6		mg/Kg dry wt	1.5	07/21/2022	MO
EPA 6020A	Cadmium SW by ICP-MS	< LOQ		mg/Kg dry wt	1.5	07/21/2022	MO
SW846/6020A	Copper SW by MS	24.1		mg/Kg dry wt	7.4	07/21/2022	MO
EPA 6010C	Iron by ICP-AES	16700		mg/Kg dry wt	37.4	09/01/2022	MO
EPA 6020A	Lead SW by ICP-MS	19.1		mg/Kg dry wt	1.5	07/21/2022	MO
SW846-3050B	Metals Digestion for Soil/Solids/Sludges	Completed				07/15/2022	MO
EPA - 1684	ASP Percent solids	56.0		%	0.1	07/15/2022	MO

NYSDOH ELAP and NELAC/TNI do not offer accreditation for % Solids. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements. MM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/02/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3004

EMAIL 9/2/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : SOIL B

Collection Point : SOIL B

Collected By : DUVAL & STEY

ID of Source :
Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Collection Date : 07/13/2022 AT 9:20:00AM
Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : S_SOIL

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
SW846/6020A	Silver SW by MS	< LOQ		mg/Kg dry wt	2.6	07/21/2022	MO
SW846/6020A	Arsenic SW by MS	2.6		mg/Kg dry wt	1.3	07/21/2022	MO
EPA 6020A	Cadmium SW by ICP-MS	< LOQ		mg/Kg dry wt	1.3	07/21/2022	MO
SW846/6020A	Copper SW by MS	28.3		mg/Kg dry wt	6.5	07/21/2022	MO
EPA 6010C	Iron by ICP-AES	16000		mg/Kg dry wt	33.5	09/01/2022	MO
EPA 6020A	Lead SW by ICP-MS	21.7		mg/Kg dry wt	1.3	07/21/2022	MO
SW846-3050B	Metals Digestion for Soil/Solids/Sludges	Completed				07/15/2022	MO
EPA - 1684	ASP Percent solids	59.4		%	0.1	07/15/2022	MO

NYSDOH ELAP and NELAC/TNI do not offer accreditation for % Solids. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements. MM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/02/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3004

EMAIL 9/2/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : SOIL C

Collection Point : SOIL C

Collected By : DUVAL & STEY

ID of Source :
Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Collection Date : 07/13/2022 AT 9:20:00AM
Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :
Type Descriptor : **Source ID :** 000
pH :
Free Cl2 : **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : S_SOIL

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
SW846/6020A	Silver SW by MS	< LOQ		mg/Kg dry wt	2.4	07/21/2022	MO
SW846/6020A	Arsenic SW by MS	3.2		mg/Kg dry wt	1.2	07/21/2022	MO
EPA 6020A	Cadmium SW by ICP-MS	< LOQ		mg/Kg dry wt	1.2	07/21/2022	MO
SW846/6020A	Copper SW by MS	24.7		mg/Kg dry wt	6.0	07/21/2022	MO
EPA 6010C	Iron by ICP-AES	14900		mg/Kg dry wt	31.0	09/01/2022	MO
EPA 6020A	Lead SW by ICP-MS	20.9		mg/Kg dry wt	1.2	07/21/2022	MO
SW846-3050B	Metals Digestion for Soil/Solids/Sludges	Completed				07/15/2022	MO
EPA - 1684	ASP Percent solids	61.0		%	0.1	07/15/2022	MO

NYSDOH ELAP and NELAC/TNI do not offer accreditation for % Solids. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements. MM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/02/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3004

EMAIL 9/2/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL
CROTON, NY 10520

Received By : JLM
Bottle No : S795 D326 G4841 B876 B634 F688
E3327 C234

Collection Point : FIELD BLK

Collected By : LAB

ID of Source :

Collection Date : 06/30/2022 AT 1:00:00PM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/05/2022 AT 11:00:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : DI WATER

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/20/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J= value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 08/03/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2916

EMAIL 8/3/2022

Page 1 of 2

These analytical results relate only to the sample identified in this report.

Sample No. AY11430

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/12/2022	9:19 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/07/2022	8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/06/2022	3:05 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/05/2022	3:07 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/06/2022	12:03 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.71		Units	0.1	07/05/2022	3:37 pm JLM
EPA 9065	Phenolics, Total Recoverable	0.0062	J	mg/L	0.025	07/11/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/12/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	< LOQ		mg/L	2.0	07/06/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.451	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr</i>							
SW846-9060A	Total Organic Carbon - ASP	1.03		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.21		NTU	0.02	07/06/2022	3:05 pm JLM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 08/03/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2916

EMAIL 8/3/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL
CROTON, NY 10520

Received By : JLM
Bottle No : S686 B458 229 D7431 C225 F147
E3414 G4866

Collection Point : FIELD BLK

ID of Source :

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Collected By : LAB
Collection Date : 07/05/2022 AT 1:00:00PM
Submitted On : 07/06/2022 AT 11:54:00AM
PWS No. :
Type Descriptor : **Source ID :** 000
pH :
Free Cl2 : **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : DI WATER

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/20/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 08/03/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 2916

EMAIL 8/3/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11560

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/12/2022	9:19 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/07/2022	8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/06/2022	3:05 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/06/2022	3:12 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/07/2022	2:32 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.058		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.24		Units	0.1	07/06/2022	3:40 pm JLM
EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	RH
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/12/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	2.0		mg/L	2.0	07/07/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	< LOQ	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr</i>							
SW846-9060A	Total Organic Carbon - ASP	1.08		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.03		NTU	0.02	07/06/2022	3:05 pm JLM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 08/03/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 2916

EMAIL 8/3/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LANDFILL
CROTON, NY 10520

Received By : JLM
Bottle No : S3363 D646 C154 B1059 675
E3455 G4848 F687

Collection Point : LAB FIELD BLANK

Collected By : LAB

ID of Source :

Collection Date : 06/27/2022 AT 9:30:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/28/2022 AT 11:50:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : DI WATER

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J= value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/19/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3046

EMAIL 9/20/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11007

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<5		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/04/2022	11:08 am
SM21-5210B	ASP BOD Set Date and Time	Completed			06/29/2022	12:26 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/01/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/05/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	06/29/2022	2:18 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/28/2022	4:06 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/14/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	06/29/2022	11:47 am
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	8.09		Units	0.1	06/28/2022	2:01 pm
							JLM

Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	0.0094	J	mg/L	0.025	07/07/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022	MO
40CFR136	NH4 Preparation	Completed			07/07/2022	MO

Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.

40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022	RH	
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	24.4		mg/L	2.0	06/29/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	< LOQ	B	mg/L	0.25	07/22/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM

SW846-9060A	Total Organic Carbon - ASP	0.706	mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	0.14	NTU	0.02	06/29/2022	2:18 pm

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.* Chief of Env. Lab Services Date Approved : 09/19/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3046 EMAIL 9/20/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : LAB

Received By : JLM

Bottle No : S3292 F215 D86 C152 B589 B1284
G5123 E3375

Collection Point : FIELD BLANK

Collected By : LAB

ID of Source :

Collection Date : 06/28/2022 AT 12:00:00PM

Agency : Croton Landfill
 Westchester County DEF
 270 North Avenue
 New Rochelle, New York 10801
 Attn: Gregory Stey

Submitted On : 06/29/2022 AT 11:18:00AM

PWS No. :

Type Descriptor : Source ID : 000
pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : DI WATER

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 09/19/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3046

EMAIL 9/20/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11121

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<5		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/05/2022	9:04 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-8-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			06/30/2022	12:08 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/01/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/05/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	06/29/2022	2:18 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/29/2022	2:49 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/14/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	06/30/2022	12:18 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	8.41		Units	0.1	06/29/2022	2:01 pm JLM
<i>Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/07/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/07/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	8.4		mg/L	2.0	06/30/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	< LOQ	B	mg/L	0.25	07/22/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	1.06		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	0.02		NTU	0.02	06/29/2022	2:18 pm JLM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/19/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3046

EMAIL 9/20/2022

Page 2 of 2

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : LAB

Received By : JLM

Bottle No : S3024 E3326 G5103 F87 B1285
B158 C112 D308

Collection Point : FIELD BLK

Collected By : LAB

ID of Source :

Collection Date : 06/29/2022 AT 12:20:00PM

Agency : Croton Landfill
 Westchester County DEF
 270 North Avenue
 New Rochelle, New York 10801
 Attn: Gregory Stey

Submitted On : 06/30/2022 AT 12:20:00PM

PWS No. :

Type Descriptor : Source ID : 000
pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : DI WATER

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 09/19/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3046

EMAIL 9/20/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11239

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<5		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/06/2022	9:18 am
SM21-5210B	ASP BOD Set Date and Time	Completed			07/01/2022	12:03 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/01/2022	8:40 am
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/30/2022	2:55 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/01/2022	12:25 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.83		Units	0.1	06/30/2022	3:01 pm
							JLM

Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	0.0043	J	mg/L	0.025	07/11/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022	MO
40CFR136	NH4 Preparation	Completed			07/12/2022	MO

Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.

40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022	RH	
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	13.2		mg/L	2.0	07/01/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	< LOQ	B	mg/L	0.25	07/22/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM

SW846-9060A	Total Organic Carbon - ASP	1.06	mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	0.55	NTU	0.02	07/01/2022	8:40 am

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.* Chief of Env. Lab Services Date Approved : 09/19/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3046 EMAIL 9/20/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL
CROTON, NY 10520

Received By : JLM
Bottle No : S3222 D1352 C0110 E3187 G4915
F408 B681 B770

Collection Point : FIELD BLANK

ID of Source :

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Collected By : LAB
Collection Date : 07/06/2022 AT 12:30:00PM

Submitted On : 07/07/2022 AT 12:24:00PM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : DI WATER

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/20/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/19/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3046

EMAIL 9/20/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11720

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/13/2022	9:30 am
SM21-5210B	ASP BOD Set Date and Time	Completed				07/08/2022	11:52 am
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/08/2022	3:27 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/07/2022	4:14 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.0714		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/08/2022	2:58 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	8.11		Units	0.1	07/07/2022	2:06 pm
<i>Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	20.4		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.378	B	mg/L	0.25	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.893		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.35		NTU	0.02	07/08/2022	3:27 pm
<i>J= value is an estimate</i>							

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/19/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3046

EMAIL 9/20/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL
CROTON, NY 10520

Received By : KB JLM
Bottle No : S3237 B298 455 F395 E3445
G5129 C159 D1271

Collection Point : FIELD BLK

ID of Source :

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Collected By : LAB
Collection Date : 07/07/2022 AT 1:00:00PM

Submitted On : 07/11/2022 AT 11:52:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							

ASP Metals by EPA 6010C

EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	08/31/2022	MO

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Cobalt	2.9		ug/L	2.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/21/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J= value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/19/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3046

EMAIL 9/20/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY1875

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022	10:16 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/12/2022	10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/12/2022	3:10 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022	2:43 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022	11:52 am MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	8.75		Units	0.1	07/11/2022	2:43 pm JLM
<i>Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/14/2022		MO
40CFR136	NH4 Preparation	Completed			07/19/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	11.6		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	< LOQ	B	mg/L	0.25	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	1.00		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	1.09		NTU	0.02	07/12/2022	3:10 pm JLM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/19/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3046

EMAIL 9/20/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL
CROTON, NY 10520

Received By : JLM
Bottle No : S3011 F71 E4117 G4930 B986 914
D7400 C648

Collection Point : FIELD BLK

Collected By : LAB

ID of Source :

Collection Date : 07/11/2022 AT 1:00:00PM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : DI WATER

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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Inorganics

ASP Metals by EPA 6010C

EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	08/31/2022	MO

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/21/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/19/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3046

EMAIL 9/20/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12059

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022	9:21 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/13/2022	12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	5		units	1	07/14/2022	3:38 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022	3:50 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/14/2022	2:39 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.77		Units	0.1	07/13/2022	3:20 pm JLM
<i>Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0050	J	mg/L	0.025	07/21/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/14/2022		MO
40CFR136	NH4 Preparation	Completed			07/26/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	< LOQ		mg/L	2.0	07/14/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	< LOQ	B	mg/L	0.25	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.858		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	0.68		NTU	0.02	07/14/2022	3:38 pm JLM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/19/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

EMAIL 9/20/2022

Report Number: 3046

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3359 D5129 C145 B649 1261
F619 E3193 G4763 K3285+

Collection Point : RINSE BLANK

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/28/2022 AT 11:15:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/28/2022 AT 11:50:00AM

PWS No. :

Type Descriptor : 000
pH :

Source ID : 000

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	13.1		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11008

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	17.8		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<5		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/04/2022	11:08 am
SM21-5210B	ASP BOD Set Date and Time	Completed			06/29/2022	12:26 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/01/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/05/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	06/29/2022	2:18 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/28/2022	4:06 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/14/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	06/29/2022	11:47 am
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.74		Units	0.1	06/28/2022	2:01 pm

PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	0.0048	J	mg/L	0.025	07/07/2022	MM
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM

SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022	MO
40CFR136	NH4 Preparation	Completed			07/07/2022	MO

Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.

40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022	RH	
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	< LOQ		mg/L	2.0	06/29/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.296	B	mg/L	0.06	07/26/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM

SW846-9060A	Total Organic Carbon - ASP	0.810		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	0.06		NTU	0.02	06/29/2022	2:18 pm

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11008

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM
This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile. DWM 9/26/22							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	2.06		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11008

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

MTBE(Methyl tert-butyl ether) in Matrix spike duplicate recovered above QC criteria due to possible matrix interference. Established high bias on <LOQ results are valid to report.

GZ 9/24/2022

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : K542 6737 507 EXP 242+

Collection Point : TRIP BLANK

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/27/2022 AT 9:00:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/28/2022 AT 11:50:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM

This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile. DWM 9/26/22

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11009

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11009

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

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LOQ = Limit of Quantitation

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3364 B1080 766 C114 D1205
E4038 F384 G5083 K7124+

Collection Point : RR 2S

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/28/2022 AT 8:15:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/28/2022 AT 11:50:00AM

PWS No. :

Type Descriptor : 000
pH :

Source ID : 000

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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Inorganics**ASP Metals by EPA 6010C**

EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	129000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	6650		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	54000		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	5080		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	42200		ug/L	100	07/21/2022	MO

Matrix spike recovery for Calcium, Iron, Magnesium, Sodium, and Potassium was above acceptable QC limits due to matrix masking (high analyte value obscured spike recovery). E.M. 7/25/2022

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	3300		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	323		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	26.7		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	297		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	2770		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	69.3		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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LOQ = Limit of Quantitation

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

EMAIL 9/26/2022

Report Number: 3063

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These analytical results relate only to the sample identified in this report.

Sample No. AY11010

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
<i>Aluminum and Manganese spikes were out of range due to high sample concentration.</i>							
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	INVALID		mg/L	5.0	07/05/2022	MO
<i>Due to possible sample matrix interference, sample pH did not change with addition of titrant and no result was obtained. EP</i>							
SM22-5210B	Biochemical Oxygen Demand	2.50		mg/L	2	07/04/2022	11:08 am
SM21-5210B	ASP BOD Set Date and Time	Completed			06/29/2022	12:26 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	129000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	100		mg/L	25.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/01/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	90		mg/L	5.0	07/05/2022	MO
SM20-2120B	Color, Apparent - ASP	20		units	1	06/29/2022	2:18 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	540		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/28/2022	4:06 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/14/2022	MO
SW846-6010C	ASP Magnesium	54000		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	06/29/2022	11:47 am
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.63		Units	0.1	06/28/2022	JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0087	J	mg/L	0.025	07/07/2022	MM
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/07/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	58.0		mg/L	2.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	860.0		mg/L	2.0	06/29/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.846	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	38.5		mg/L as C	2.5	07/05/2022	MO
EPA 180.1	Turbidity	62.1		NTU	0.02	06/29/2022	2:18 pm
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11010

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM

Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	6.06		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	1.14		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3063

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These analytical results relate only to the sample identified in this report.

Sample No. AY11010

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	5.00		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	0.590		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3354 B786 738 C205 D1527
G3472 F235 G4980 K9107+

Collection Point : RR 2D

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/28/2022 AT 7:35:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/28/2022 AT 11:50:00AM

PWS No. :

Type Descriptor : 000
pH :

Source ID : 000

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
	ASP Metals by EPA 6010C						
EPA 6010C	Boron	189		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	85200		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	760		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	56800		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	4980		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	55900		ug/L	100	07/21/2022	MO
	ASP Metals by EPA 6020A						
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	273		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	22.3		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	993		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	159		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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Approved By **Michele Matos**

QA Officer

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NYS ELAP # 10108

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EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11011

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	>500		mg/L	5.0	07/05/2022	MO
<i>Alkalinity result beyond titrimetric range of instrument, upper limit reported. EP</i>							
SM22-5210B	Biochemical Oxygen Demand	2.20		mg/L	2	07/04/2022	11:08 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed			06/29/2022	12:26 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	85200		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	85.0		mg/L	25.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/01/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	77		mg/L	5.0	07/05/2022	MO
SM20-2120B	Color, Apparent - ASP	30		units	1	06/29/2022	2:18 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	450		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/28/2022	4:06 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/14/2022	MO
SW846-6010C	ASP Magnesium	56800		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	06/29/2022	11:47 am MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.136		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.12		Units	0.1	06/28/2022	2:01 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0073	J	mg/L	0.025	07/07/2022	MM
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/07/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	9.36		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	689.3		mg/L	2.0	06/29/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.613	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	32.5		mg/L as C	2.5	07/05/2022	MO
EPA 180.1	Turbidity	3.84		NTU	0.02	06/29/2022	2:18 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11011

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM

Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	7.24		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	2.35		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11011

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	10.7		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	1.25		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	1.15		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	0.707		ug/L	0.50	07/01/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11011

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:
Benzene, (1,2-dimethyl-1-propenyl)-: 5.71 ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.

The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.

jc 8/24/22

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3348 B999 1246 C111 D1267
E3267 F299 G5114 K8383+

Collection Point : RR 4

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/28/2022 AT 9:25:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/28/2022 AT 11:50:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	68400		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	1220		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	22400		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	6820		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	130000		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	340		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	117		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	892		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11012

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	134		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	316		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/04/2022	11:08 am
SM21-5210B	ASP BOD Set Date and Time	Completed			06/29/2022	12:26 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	68400		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	205		mg/L	25.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	0.005		mg/L	0.005	07/01/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/05/2022	MO
SM20-2120B	Color, Apparent - ASP	20		units	1	06/29/2022	2:18 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	260		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/28/2022	4:06 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/14/2022	MO
SW846-6010C	ASP Magnesium	22400		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	06/29/2022	11:47 am
EPA 353.2, Rev 2.0	N-Nitrate Calculated	1.80		mg/L	0.10	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.00		Units	0.1	06/28/2022	2:01 pm

PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	0.0060	J	mg/L	0.025	07/07/2022	MM
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM

SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022	MO
40CFR136	NH4 Preparation	Completed			07/07/2022	MO

Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.

40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022	RH	
SW846/9056A	Sulfate, Aqueous - ASP	16.0		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	694.0		mg/L	2.0	06/29/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.469	B	mg/L	0.06	07/26/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM

SW846-9060A	Total Organic Carbon - ASP	2.94		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	14.4		NTU	0.02	06/29/2022	2:18 pm

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J= value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11012

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM
This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM							
Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11012

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3362 B373 1088 C128 D1366
E3352 F170 G5014 K6222+

Collection Point : RR 3

Collected By : STEY & DUVAL
Collection Date : 06/28/2022 AT 10:25:00AM

ID of Source :

Submitted On : 06/28/2022 AT 11:50:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	108000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	2720		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	25500		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	3630		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	71300		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	61.3		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	378		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	3550		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11013

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	351		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/04/2022	11:08 am
SM21-5210B	ASP BOD Set Date and Time	Completed			06/29/2022	12:26 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	108000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	190		mg/L	25.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/01/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/05/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	06/29/2022	2:18 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	380		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/28/2022	4:06 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/14/2022	MO
SW846-6010C	ASP Magnesium	25500		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.138		mg/L	0.01	06/29/2022	11:47 am
EPA 353.2, Rev 2.0	N-Nitrate Calculated	3.61		mg/L	0.25	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.16		Units	0.1	06/28/2022	2:01 pm

PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	0.0051	J	mg/L	0.025	07/07/2022	MM
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM

SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022	MO
40CFR136	NH4 Preparation	Completed			07/07/2022	MO

Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.

40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022	RH	
SW846/9056A	Sulfate, Aqueous - ASP	45.3		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	728.0		mg/L	2.0	06/29/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.348	B	mg/L	0.06	07/26/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM

SW846-9060A	Total Organic Carbon - ASP	1.74		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	44.3		NTU	0.02	06/29/2022	2:18 pm

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J= value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

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These analytical results relate only to the sample identified in this report.

Sample No. AY11013

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM
This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM							
Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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These analytical results relate only to the sample identified in this report.

Sample No. AY11013

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3063

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3005 D370 C102 F618 G4876
E4063 B640 1229 K274+ K8205+

Collection Point : RINSE BLK

ID of Source :

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Collected By :
Collection Date : 06/29/2022 AT 10:45:00AM

Submitted On : 06/29/2022 AT 11:18:00AM

PWS No. :

Type Descriptor : 000
pH :

Source ID : 000

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11122

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<5		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/05/2022	9:04 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-8-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			06/30/2022	12:08 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/01/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/05/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	06/29/2022	2:18 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/29/2022	2:49 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/14/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	06/30/2022	12:18 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.13		Units	0.1	06/29/2022	2:10 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0068	J	mg/L	0.025	07/07/2022	MM
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/07/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	7.6		mg/L	2.0	06/30/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	Not Detected	B	mg/L	0.06	07/26/2022	MM
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	1.14		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	0.02		NTU	0.02	06/29/2022	2:18 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM

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DL = Detection Limit

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

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EMAIL 9/26/2022

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Sample No. AY11122

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM
This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile. DWM 9/26/22							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11122

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroform	2.07		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : LAB

Received By : JLM

Bottle No : K155 781 1989 1986 4652 4684

Collection Point : TRIP BLK

Collected By : LAB

ID of Source :

Collection Date : 06/28/2022 AT 12:00:00PM

Agency : Croton Landfill
 Westchester County DEF
 270 North Avenue
 New Rochelle, New York 10801
 Attn: Gregory Stey

Submitted On : 06/29/2022 AT 11:18:00AM

PWS No. :

Type Descriptor : Source ID : 000
pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : DI WATER

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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Organics**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM

This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile. DWM 9/26/22

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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J=value is an estimate

H = exceeds holding time

Approved By *Michele Matos*

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11123

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY1123

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

"E" Flag - represents an estimated value for methyl tert-butyl ether observed exceeding the calibration range. MM

jc/GZ 9/24/2022

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3358 C120 D1740 F8 B495 666
E3391 G4874 K8755+ 34 31

Collection Point : RR 1

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/29/2022 AT 7:25:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/29/2022 AT 11:18:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	124000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	2460		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	55600		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	3990		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	15900		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	898		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	197		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	427		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	11.6		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11124

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	>500		mg/L	5.0	07/05/2022	MO
<i>Alkalinity result beyond titrimetric range of instrument, upper limit reported. EP</i>							
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/05/2022	9:04 am
<i>Dilution water blank exceeds 0.2 mg/L. KA 7-8-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			06/30/2022	12:08 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	124000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	73.0		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/01/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/05/2022	MO
SM20-2120B	Color, Apparent - ASP	20		units	1	06/29/2022	2:18 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	540		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/29/2022	2:49 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	55600		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	0.0756		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	06/30/2022	12:18 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.74		Units	0.1	06/29/2022	2:10 pm
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJR</i>							
EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/07/2022	MM
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/07/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	29.6		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	687.0		mg/L	2.0	06/30/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.575	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	8.01		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	19.3		NTU	0.02	06/29/2022	2:18 pm
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11124

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM

Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	9.53		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	1.38		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	0.597		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

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Sample No. AY11124

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	0.519		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	26.5		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	6.81		ug/L	0.50	07/01/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

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These analytical results relate only to the sample identified in this report.

Sample No. AY11124

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:

Ethyl ether: 46.2ug/L

Fluorodichloromethane: 7.99ug/L

Difluorochloromethane: 18.8ug/L

Tetrahydrofuran: 11.8ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.

The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3328 C1000 D1675 E4051 F300
G4655 B1257 1098 K8644 + 24 14

Collection Point : RR 7

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/29/2022 AT 8:20:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/29/2022 AT 11:19:00AM

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	186000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	3660		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	91600		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	6430		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	5890		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	275		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	585		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	3410		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	14.2		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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Sample No. AY1125

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	>500		mg/L	5.0	07/05/2022	MO
<i>Alkalinity result beyond titrimetric range of instrument, upper limit reported. EP</i>							
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/05/2022	9:04 am
<i>Dilution water blank exceeds 0.2 mg/L. KA 7-8-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			06/30/2022	12:08 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	186000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	25.0		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	9		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	20		units	1	06/29/2022	2:18 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	840		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/29/2022	2:49 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	91600		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	0.0573		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	06/30/2022	12:18 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.0627		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.53		Units	0.1	06/29/2022	2:10 pm
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0101	J	mg/L	0.025	07/07/2022	MM
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/07/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	34.2		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	940.0		mg/L	2.0	06/30/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.473	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	4.29		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	13.1		NTU	0.02	06/29/2022	2:18 pm
<i>JLM</i>							
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM

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Approved By **Michele Matos**

QA Officer

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Sample No. AY1125

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM

Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	3.14		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	2.50		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	1.23		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

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Approved By **Michele Matos**

QA Officer

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These analytical results relate only to the sample identified in this report.

Sample No. AY1125

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	89.2E		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	1.45		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	1.07		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	1.25		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	8.79		ug/L	0.50	07/01/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11125

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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"E" Flag - represents an estimated value on cis-1,2-dichloroethene observed exceeding the calibration range.

The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:

Tetrahydrofuran: 5.03ug/L

Difluorochloromethane: 5.16ug/L

Ethyl ether: 61.1ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.

The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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QA Officer

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EMAIL 9/26/2022

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3361 B1291 934 C108 D1032
E4048 F696 G5156 K8673+ 15 16

Collection Point : RR 6

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/29/2022 AT 9:20:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/29/2022 AT 11:19:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
	ASP Metals by EPA 6010C						
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	128000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	2240		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	35700		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	4030		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	6220		ug/L	100	07/21/2022	MO
	ASP Metals by EPA 6020A						
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	176		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	2130		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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LOQ = Limit of Quantitation

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11126

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	489		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/05/2022	9:04 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-8-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			06/30/2022	12:08 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	128000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	5.00		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	5		units	1	06/29/2022	2:18 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	470		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/29/2022	2:49 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	35700		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.513		mg/L	0.10	06/30/2022	12:18 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	2.40		mg/L	0.25	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.91		Units	0.1	06/29/2022	2:10 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJR</i>							
EPA 9065	Phenolics, Total Recoverable	0.0111	J	mg/L	0.025	07/07/2022	MM
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/07/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	50.8		mg/L	2.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	641.3		mg/L	2.0	06/30/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.401	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	2.63		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	3.23		NTU	0.02	06/29/2022	2:18 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM

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J= value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11126

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM

Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

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DL = Detection Limit

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J=value is an estimate

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11126

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	1.80		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	0.990		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL
CROTON, NY 10520

Received By : JLM
Bottle No : K4590 1987 955 K2606 973 2652

Collection Point : TRIP BLK

Collected By : LAB

ID of Source :

Collection Date : 07/11/2022 AT 1:00:00PM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : DI WATER

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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Organics**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/14/2022	GZ2
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/14/2022	GZ2
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/14/2022	GZ2
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/14/2022	GZ2
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Prep. Method	5030c		ug/L		07/14/2022	GZ2
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/14/2022	GZ2

Surrogate 4-bromofluorobenzene recovered above QC Criteria.

jc /GZ 9/8/22

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12061

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

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Sample No. AY12061

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

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EMAIL 9/26/2022

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3334 B534 1099 C1001 D1026
E4011 F640 G5178 K7058+ 11 10

Collection Point : TELLERS POINT LEFT SRF 1B

ID of Source :

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Collected By : DUVAL & STEY
Collection Date : 07/13/2022 AT 9:05:00AM

Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Calcium	82900		ug/L	25000	09/01/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Magnesium	206000		ug/L	25000	09/01/2022	MO
EPA 6010C	Potassium	61800		ug/L	2500	09/01/2022	MO
EPA 6010C	Sodium	1640000		ug/L	2500	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	135		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	11.2		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	38.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	654		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	51.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	38.3		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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QA Officer

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EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12064

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	75.4		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022	9:21 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/13/2022	12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	82900		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	3900		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	44		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022	3:38 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1100		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022	3:50 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	206000		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0111		mg/L	0.01	07/14/2022	2:39 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.167		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.67		Units	0.1	07/13/2022	3:20 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0093	J	mg/L	0.025	07/21/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/14/2022		MO
40CFR136	NH4 Preparation	Completed			07/26/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	513		mg/L	77.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	6326.7		mg/L	2.0	07/14/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.693	B	mg/L	0.06	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.753		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.17		NTU	0.02	07/14/2022	3:38 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/14/2022	GZ2
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/14/2022	GZ2
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/14/2022	GZ2
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/14/2022	GZ2

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Approved By **Michele Matos**

QA Officer

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EMAIL 9/26/2022

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Sample No. AY12064

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Prep. Method	5030c		ug/L		07/14/2022	GZ2
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/14/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH 4-5. Analysis was conducted within the regulatory defined window of 3 days - pH has no impact on result.

jc/GZ 9/24/2022

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Approved By **Michele Matos**

QA Officer

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Sample No. AY12064

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3323 B791 1243 C106 D7451
E3260 F325 G5107 K6993+ 21 23

Collection Point : SURFACE RR RIGHT

Collected By : STEY & DUVAL
Collection Date : 06/29/2022 AT 10:10:00AM

ID of Source :

Submitted On : 06/29/2022 AT 11:19:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

PWS No. :

Type Descriptor : 000

pH :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Calcium	64700		ug/L	10000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	500	07/21/2022	MO
EPA 6010C	Magnesium	145000		ug/L	10000	07/21/2022	MO
EPA 6010C	Potassium	45900		ug/L	1000	07/21/2022	MO
EPA 6010C	Sodium	1140000		ug/L	1000	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	128		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	28.0		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	61.0		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	57.9		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	20.9		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11129

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	71.5		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/05/2022	9:04 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-8-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			06/30/2022	12:08 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	64700		ug/L	10000	07/21/2022	MO
SW846/9253	Chloride - ASP	2800		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	37		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	06/29/2022	2:18 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	760		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/29/2022	2:49 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	145000		ug/L	10000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0101		mg/L	0.01	06/30/2022	12:18 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.451		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.70		Units	0.1	06/29/2022	2:10 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0056	J	mg/L	0.025	07/11/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/07/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	388		mg/L	10.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	5196.0		mg/L	2.0	06/30/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.542	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.934		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	7.07		NTU	0.02	06/29/2022	2:18 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11129

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM
This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile. DWM 9/26/22							
Surrogate 4-bromofluorobenzene recovered higher than the QC criteria jc 9/8/22							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11129

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Collection Point : RINSE BLK

ID of Source :

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Received By : JLM
Bottle No : S3221 D149 C101 F213 E4067
G4946 B1288 B753 K6782 6649
6797 6461 +

Collected By : STEY & DUVAL

Collection Date : 06/30/2022 AT 11:35:00AM

Submitted On : 06/30/2022 AT 12:20:00PM

PWS No. :

Type Descriptor : Source ID : 000
pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	164		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	149		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11240

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	20.2		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<5		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/06/2022	9:18 am
SM21-5210B	ASP BOD Set Date and Time	Completed			07/01/2022	12:03 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/01/2022	8:40 am
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/30/2022	2:55 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/01/2022	12:25 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	8.37		Units	0.1	06/30/2022	3:01 pm

PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	0.0061	J	mg/L	0.025	07/11/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM

SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022	MO
40CFR136	NH4 Preparation	Completed			07/12/2022	MO

Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.

40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022	RH	
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	11.2		mg/L	2.0	07/01/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.446	B	mg/L	0.06	07/26/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM

SW846-9060A	Total Organic Carbon - ASP	1.52		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	0.20		NTU	0.02	07/01/2022	8:40 am

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

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These analytical results relate only to the sample identified in this report.

Sample No. AY11240

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM
This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile. DWM 9/26/22							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	2.08		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11240

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

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Approved By **Michele Matos**

QA Officer

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Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

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EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3331 B419 B813 C0121 D7298
E3295 F286 G4907 K8707+

Collection Point : RFW 2D

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/30/2022 AT 11:15:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/30/2022 AT 12:20:00PM

PWS No. :

Type Descriptor : 000
pH :

Source ID : 000

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	113000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	6970		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	40900		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	8680		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	147000		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	305		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	493		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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J= value is an estimate

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11241

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	472		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/06/2022	9:18 am
SM21-5210B	ASP BOD Set Date and Time	Completed			07/01/2022	12:03 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	113000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	390		mg/L	50.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO

Matrix spiked sample recovery is below the acceptable range due to a possible matrix interference. E.M. 7/9/2022

Duplicate sample RPD is above the acceptable range due to a possible matrix interference. E.M. 7/9/2022

HACH 8000	Chemical Oxygen Demand - ASP	27		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	50		units	1	07/01/2022	8:40 am
EPA 6010C	ASP Hardness as Calcium Carbonate	450		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/30/2022	2:55 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	40900		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	5.06		mg/L	0.25	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/01/2022	12:25 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.79		Units	0.1	06/30/2022	3:01 pm

PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	0.0204	J	mg/L	0.025	07/11/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022	MO
40CFR136	NH4 Preparation	Completed			07/12/2022	MO

Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.

40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022	MO	
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	1114.7		mg/L	2.0	07/01/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	6.60	B	mg/L	0.30	07/28/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM

SW846-9060A	Total Organic Carbon - ASP	3.77		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	70.4		NTU	0.02	07/01/2022	8:40 am

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11241

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM

Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3064

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These analytical results relate only to the sample identified in this report.

Sample No. AY11241

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

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These analytical results relate only to the sample identified in this report.

Sample No. **AY11241**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:

Tetrahydrofuran: 7.47ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.

The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.

jc 8/24/22

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3329 E3306 B977 B113 D5017
G5011 C143 F41 K8363+

Collection Point : RFW 2S

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/30/2022 AT 10:05:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/30/2022 AT 12:20:00PM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	448		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	72000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	13700		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	30600		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	33700		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	79400		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	69.4		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	94.5		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	426		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	62.6		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	12.3		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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These analytical results relate only to the sample identified in this report.

Sample No. AY11242

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	>500		mg/L	5.0	07/05/2022	MO
<i>Alkalinity result beyond titrimetric range of instrument, upper limit reported. EP</i>							
SM22-5210B	Biochemical Oxygen Demand	20.0		mg/L	2	07/06/2022	9:18 am
<i>Test replicates showing large differences between the computed CBOD for high and low dilutions (>30% RPD) may indicate the presence of toxic substances {SM22 5210B-7.b.}. KA 7-8-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/01/2022	12:03 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	72000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	100		mg/L	25.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	71		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	250		units	1	07/01/2022	8:40 am
EPA 6010C	ASP Hardness as Calcium Carbonate	310		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/30/2022	2:55 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	30600		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	64.1		mg/L	6.25	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/01/2022	12:25 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.80		Units	0.1	06/30/2022	3:01 pm
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0505		mg/L	0.025	07/11/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/12/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	685.3		mg/L	2.0	07/01/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	68.4	B	mg/L	1.2	07/28/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr</i>							
SW846-9060A	Total Organic Carbon - ASP	32.0		mg/L as C	2.5	07/05/2022	MO
EPA 180.1	Turbidity	152		NTU	0.02	07/01/2022	8:40 am
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM

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QA Officer

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Sample No. AY11242

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM

Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

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QA Officer

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Sample No. AY11242

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11242

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:

tetrahydrofuran 8.14ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.

The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.

jc 8/24/22

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3341 B1041 444 C157 D473
E3484 F679 G4965 18 22 K8417+

Collection Point : RFW 1S

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/30/2022 AT 7:50:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/30/2022 AT 12:20:00PM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	428		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	133000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	51300		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	46500		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	10400		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	60000		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	896		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	2810		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	12.9		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	186		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	778		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	175		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	24.5		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11243

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	778		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	>500		mg/L	5.0	07/05/2022	MO
<i>Alkalinity result beyond titrimetric range of instrument, upper limit reported. EP</i>							
SM22-5210B	Biochemical Oxygen Demand	7.00		mg/L	2	07/06/2022	9:18 am
<i>Test replicates showing large differences between the computed CBOD for high and low dilutions (>30% RPD) may indicate the presence of toxic substances {SM22 5210B-7.b.} KA 7-8-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/01/2022	12:03 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	133000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	100		mg/L	25.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	38		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	400		units	1	07/01/2022	8:40 am
EPA 6010C	ASP Hardness as Calcium Carbonate	520		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/30/2022	2:55 pm
SW846-7470A	ASP Mercury	2.97		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	46500		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	15.4		mg/L	1.25	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/01/2022	12:25 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.0575		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.59		Units	0.1	06/30/2022	3:01 pm
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0088	J	mg/L	0.025	07/11/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/12/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		MO
SW846/9056A	Sulfate, Aqueous - ASP	1.60		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	804.0		mg/L	2.0	07/01/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	15.6	B	mg/L	0.6	07/28/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr</i>							
SW846-9060A	Total Organic Carbon - ASP	15.7		mg/L as C	0.5	07/05/2022	MO
EPA 180.1	Turbidity	230		NTU	0.02	07/01/2022	8:40 am
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM

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J= value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11243

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetone	18.9		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM

Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11243

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3365 B592 781 C153 D842 E3341
F376 G5115 K8130+ 36 13

Collection Point : RFW 1D

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/30/2022 AT 9:15:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/30/2022 AT 12:20:00PM

PWS No. :

Type Descriptor : 000
pH :

Source ID : 000

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
	ASP Metals by EPA 6010C						
EPA 6010C	Boron	1360		ug/L	1000	07/21/2022	MO
EPA 6010C	Calcium	197000		ug/L	10000	07/21/2022	MO
EPA 6010C	Iron	2700		ug/L	500	07/21/2022	MO
EPA 6010C	Magnesium	421000		ug/L	10000	07/21/2022	MO
EPA 6010C	Potassium	87900		ug/L	1000	07/21/2022	MO
EPA 6010C	Sodium	1820000		ug/L	1000	07/21/2022	MO

Matrix spike recovery for Calcium, Iron, Magnesium, Sodium, Potassium, and Boron was below acceptable QC limits due to matrix masking (high analyte value obscured spike recovery). E.M. 7/25/2022

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	53.8		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	13.1		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	86.5		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	187		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	1470		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	39.7		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J= value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11244

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
<i>Precision as measured by duplicate analysis exceeded 20% QC limit for Aluminum, Copper, Selenium, and Barium due to possible sample matrix interferences. MO/RH</i>							
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	INVALID		mg/L	5.0	07/05/2022	MO
<i>Sample pH did not change with addition of titrant and no result was obtained. Possibly due to sample matrix interference.</i>							
SM22-5210B	Biochemical Oxygen Demand	5.50		mg/L	2	07/06/2022	9:18 am
<i>Test replicates showing large differences between the computed CBOD for high and low dilutions (>30% RPD) may indicate the presence of toxic substances {SM22 5210B-7.b.}. KA 7-8-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/01/2022	12:03 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	197000		ug/L	10000	07/21/2022	MO
SW846/9253	Chloride - ASP	3700		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	60		mg/L	50	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	100		units	1	07/01/2022	8:40 am
EPA 6010C	ASP Hardness as Calcium Carbonate	2200		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/30/2022	2:55 pm
<i>Sample and duplicate's precision is outside the 20% RPD method range. CM 6/30/22</i>							
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	421000		ug/L	10000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	88.9		mg/L	6.25	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/01/2022	12:25 pm
<i>Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/1/22</i>							
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.0796		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.05		Units	0.1	06/30/2022	3:01 pm
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.179		mg/L	0.025	07/11/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/12/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		MO
SW846/9056A	Sulfate, Aqueous - ASP	1.29		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	8373.3		mg/L	2.0	07/01/2022	MO
<i>Sample and duplicate's precision is outside the 5% RPD method range. CM 07/05/22</i>							

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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Sample No. AY11244

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	104	B	mg/L	6.0	07/28/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr</i>							
SW846-9060A	Total Organic Carbon - ASP	7.97		mg/L as C	0.25	07/13/2022	MO
<i>Matrix spike recovery above acceptable QC limits due to possible sample matrix interferences.</i>							
EPA 180.1	Turbidity	27.1		NTU	0.02	07/01/2022	8:40 am JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM
<i>This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM</i>							
<i>Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM</i>							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11244

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

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These analytical results relate only to the sample identified in this report.

Sample No. AY11244

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation (pH <2). This method deviation may render the data unsuitable for regulatory reporting purposes. DWM 9/26/22

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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LOQ = Limit of Quantitation

J=value is an estimate

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : K6709 K465 K6526 K6635 K342
K449

Collection Point : TRIP BLK

Collected By : LAB

ID of Source :

Collection Date : 06/30/2022 AT 1:00:00PM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/05/2022 AT 11:00:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : DI WATER

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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Organics**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. DWM 9/26

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By **Michele Matos**

QA Officer

Date Approved :

09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11432

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11432

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3360 B1256 B775 C126 D1188
E3183 F283 G5009 K8501 12 9

Collection Point : BEACH LEFT SRF 2B

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/05/2022 AT 9:15:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/05/2022 AT 11:00:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	761		ug/L	500	07/21/2022	MO
EPA 6010C	Calcium	67700		ug/L	5000	07/21/2022	MO
EPA 6010C	Iron	370		ug/L	250	07/21/2022	MO
EPA 6010C	Magnesium	156000		ug/L	5000	07/21/2022	MO
EPA 6010C	Potassium	54300		ug/L	500	07/21/2022	MO
EPA 6010C	Sodium	1220000		ug/L	500	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	151		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	29.4		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	158		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	56.9		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	25.5		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11433

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	2.70		mg/L	2	07/12/2022	9:19 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/07/2022	8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	67700		ug/L	5000	07/21/2022	MO
SW846/9253	Chloride - ASP	2900		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	38		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	30		units	1	07/06/2022	3:05 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	810		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/05/2022	3:07 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	156000		ug/L	5000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/06/2022	12:03 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.361		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	8.31		Units	0.1	07/05/2022	3:37 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/11/2022	RH
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/12/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	416		mg/L	20.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	5113.3		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.927	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr</i>							
SW846-9060A	Total Organic Carbon - ASP	0.755		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	11.0		NTU	0.02	07/06/2022	3:05 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

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These analytical results relate only to the sample identified in this report.

Sample No. AY11433

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM
This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr							
Internal standard fluorobenzene recovered less than 50% of mean initial calibration. However, surrogate 1,2-dichloroethane-d4 recovered 23.2ug/L higher than target value of 10ug/L. All compounds with respect to Fluorobenzene (IS) would be doubled if any compound was positive and since the sample were negative. Results are acceptable. jc 9/8/22							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11433

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3353 B1251 944 C996 D1107
E4033 F331 G5010 K6119+ 3 6

Collection Point : BEACH RIGHT SRF 2A

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/05/2022 AT 9:00:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/05/2022 AT 11:00:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
	ASP Metals by EPA 6010C						
EPA 6010C	Boron	751		ug/L	500	07/21/2022	MO
EPA 6010C	Calcium	67000		ug/L	5000	07/21/2022	MO
EPA 6010C	Iron	403		ug/L	250	07/21/2022	MO
EPA 6010C	Magnesium	155000		ug/L	5000	07/21/2022	MO
EPA 6010C	Potassium	55300		ug/L	500	07/21/2022	MO
EPA 6010C	Sodium	1210000		ug/L	500	07/21/2022	MO
	ASP Metals by EPA 6020A						
EPA 6020A	Aluminum	135		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	31.2		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	141		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	159		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	24.5		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11434

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	2.60		mg/L	2	07/12/2022	9:19 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/07/2022	8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	67000		ug/L	5000	07/21/2022	MO
SW846/9253	Chloride - ASP	3200		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	34		mg/L	5.0	07/11/2022	MO
<i>Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/12/22</i>							
SM20-2120B	Color, Apparent - ASP	30		units	1	07/06/2022	3:05 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	810		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/05/2022	3:07 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	155000		ug/L	5000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO
<i>Precision as measured by duplicate RPD exceeded 20% QC limit, possibly due to sample matrix interference. KA 7-14-22</i>							
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/06/2022	12:03 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.262		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	8.32		Units	0.1	07/05/2022	3:37 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0082	J	mg/L	0.025	07/11/2022	MO
<i>Matrix spike recovery below acceptable QC limits due to possible sample matrix interferences.</i>							
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/12/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	419		mg/L	20.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	5353.3		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.783	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr</i>							
SW846-9060A	Total Organic Carbon - ASP	0.755		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	13.4		NTU	0.02	07/06/2022	3:05 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11434

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : K536 408 640 563 K4554 480

Collection Point : TRIP BLK

Collected By : LAB

ID of Source :

Collection Date : 07/05/2022 AT 1:00:00PM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/06/2022 AT 11:54:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : DI WATER

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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Organics**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. DWM 9/26

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11562

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11562

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3330 B790 982 C124 D1211
E4066 F129 G4973 K8965 +

Collection Point : RFW - 3D

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/06/2022 AT 7:55:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/06/2022 AT 11:54:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	77700		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	7430		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	31900		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	9410		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	98700		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	88.2		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	305		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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NYS ELAP # 10108

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These analytical results relate only to the sample identified in this report.

Sample No. AY11563

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	61.9		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	2.40		mg/L	2	07/12/2022	9:19 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/07/2022	8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	77700		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	240		mg/L	50.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	5		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	50		units	1	07/06/2022	3:05 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	320		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/06/2022	3:12 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	31900		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	5.32		mg/L	0.25	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/07/2022	2:32 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.00		Units	0.1	07/06/2022	3:40 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0220	J	mg/L	0.025	07/15/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/12/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	724.0		mg/L	2.0	07/07/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	5.32		mg/L	0.30	07/28/2022	MO
SW846-9060A	Total Organic Carbon - ASP	2.11		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	73.1		NTU	0.02	07/06/2022	3:05 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

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These analytical results relate only to the sample identified in this report.

Sample No. AY11563

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM
This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJR							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11563

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3326 B462 1016 C136 D1378
E3487 F699 G4495 K2108 46 41

Collection Point : RFW - 4

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/06/2022 AT 8:55:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/06/2022 AT 11:54:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	825		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	81500		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	13700		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	121000		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	46700		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	792000		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	336		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	88.8		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	478		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	220		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/12/2022	9:19 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/07/2022	8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	81500		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	1400		mg/L	250	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	72		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	40		units	1	07/06/2022	3:05 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	700		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/06/2022	3:12 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	121000		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	29.5		mg/L	1.25	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/07/2022	2:32 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	6.64		Units	0.1	07/06/2022	3:40 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	RH
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/12/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	3300.0		mg/L	2.0	07/07/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	28.9		mg/L	0.6	07/28/2022	MO
SW846-9060A	Total Organic Carbon - ASP	5.29		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	86.5		NTU	0.02	07/06/2022	3:05 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM

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J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11564

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM
This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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Sample No. AY11564

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM

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QA Officer

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NYS ELAP # 10108
(914) 231-1620

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3339 B246 654 C036 D7436
E3435 F405 G5112 K8313+ 43 47

Collection Point : RFW - 5D

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/06/2022 AT 11:30:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/06/2022 AT 11:54:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	430		ug/L	200	07/21/2022	MO
EPA 6010C	Calcium	58900		ug/L	2000	07/21/2022	MO
EPA 6010C	Iron	17900		ug/L	100	07/21/2022	MO
EPA 6010C	Magnesium	81400		ug/L	2000	07/21/2022	MO
EPA 6010C	Potassium	27300		ug/L	200	07/21/2022	MO
EPA 6010C	Sodium	408000		ug/L	200	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	37.8		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	256		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	88.6		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	122		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11565

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	130		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	9.70		mg/L	2	07/12/2022	9:19 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/07/2022	8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	58900		ug/L	2000	07/21/2022	MO
SW846/9253	Chloride - ASP	850		mg/L	125	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	39		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	100		units	1	07/06/2022	3:05 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	480		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/06/2022	3:12 pm MO
<i>Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/7/22</i>							
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	81400		ug/L	2000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	20.8		mg/L	1.00	07/20/2022	MO
<i>Matrix spike recovery above acceptable QC limits due to possible sample matrix interferences. KA 07-21-22</i>							
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/07/2022	2:32 pm MO
<i>Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/8/22</i>							
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.08		Units	0.1	07/06/2022	3:40 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0082	J	mg/L	0.025	07/15/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/19/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	2064.0		mg/L	2.0	07/07/2022	MO
<i>Sample and duplicate's precision is outside the 5% RPD method range. CM 7/8/22</i>							
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	18.8		mg/L	0.6	07/28/2022	MO
SW846-9060A	Total Organic Carbon - ASP	4.31		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	118.0		NTU	0.02	07/06/2022	3:05 pm JLM

Organics

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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These analytical results relate only to the sample identified in this report.

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM
This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJR							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11565

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

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These analytical results relate only to the sample identified in this report.

Sample No. AY11565

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM

The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:

tetrahydrofuran 5.45ug/L
1,4-dioxane 10.43ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.

The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.

jc 8/24/22

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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LOQ = Limit of Quantitation

J=value is an estimate

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL
CROTON, NY 10520

Received By : JLM
Bottle No : K521 K505 K4880 EXP530 500
1982

Collection Point : LAB TRIP BLANK

ID of Source :

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Collected By : LAB
Collection Date : 07/06/2022 AT 12:30:00PM

Submitted On : 07/07/2022 AT 12:24:00PM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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Organics**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. DWM 9/26

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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LOQ = Limit of Quantitation

J=value is an estimate

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11722

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11722

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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J=value is an estimate

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3355 B968 414 C137 D1463
E3427 G4755 F245 K9003+

Collection Point : RFW-7D

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 07/07/2022 AT 8:30:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/07/2022 AT 12:24:00PM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
	ASP Metals by EPA 6010C						
EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	37800		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	13900		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	2450		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	8410		ug/L	100	08/31/2022	MO
	ASP Metals by EPA 6020A						
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	46.6		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11723

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	34.7		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/13/2022	9:30 am
SM21-5210B	ASP BOD Set Date and Time	Completed				07/08/2022	11:52 am
EPA 6010C	ASP Calcium by ICP-AES	37800		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	6.00		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/08/2022	3:27 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	150		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/07/2022	4:14 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	13900		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.0663		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/08/2022	2:58 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.65		Units	0.1	07/07/2022	2:06 pm

PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	RH
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	6.73		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	232.0		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.350	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr

SW846-9060A	Total Organic Carbon - ASP	0.971	mg/L as C	0.25	07/13/2022		MO
EPA 180.1	Turbidity	0.02	NTU	0.02	07/08/2022	3:27 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11723

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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These analytical results relate only to the sample identified in this report.

Sample No. AY11723

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

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EMAIL 9/27/2022

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3327 B1289 425 C1002 D6998
E3135 F425 G5168 K7466+

Collection Point : RFW-7S

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 07/07/2022 AT 8:20:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/07/2022 AT 12:24:00PM

PWS No. :

Type Descriptor : 000
pH :

Source ID : 000

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	81600		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	2560		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	36800		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	1950		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	28100		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	450		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	84.1		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	124		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	1560		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	190		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

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EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	36.3		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/13/2022	9:30 am
SM21-5210B	ASP BOD Set Date and Time	Completed				07/08/2022	11:52 am
EPA 6010C	ASP Calcium by ICP-AES	81600		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	130		mg/L	25.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	40		units	1	07/08/2022	3:27 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	360		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/07/2022	4:14 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	36800		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.157		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/08/2022	2:58 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	3.69		mg/L	0.25	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.53		Units	0.1	07/07/2022	2:06 pm

PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	RH
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	16.1		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	531.0		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.513	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr

SW846-9060A	Total Organic Carbon - ASP	1.01	mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	72.3	NTU	0.02	07/08/2022	3:27 pm

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ	ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ	ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ	ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ	ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ	ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ	ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ	ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ	ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ	ug/L	5.00	07/13/2022	DWM

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Approved By Michele Matos

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

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EMAIL 9/27/2022

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Sample No. AY11724

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11724

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

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Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

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EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3352 B988 1233 C1527 D1490
E3462 F123 G5101 K8155

Collection Point : RFW-8

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 07/07/2022 AT 10:00:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/07/2022 AT 12:24:00PM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	163000		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	6620		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	60700		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	2480		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	50700		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	90.6		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	177		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	1170		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	30.4		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	126		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	46.3		ug/L	20.0	07/14/2022	MO

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

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Environmental Laboratories

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Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11725

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	60.2		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/13/2022	9:30 am
SM21-5210B	ASP BOD Set Date and Time	Completed				07/08/2022	11:52 am
EPA 6010C	ASP Calcium by ICP-AES	163000		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	360		mg/L	50.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO

Matrix spiked sample recovery is below the acceptable range due to a possible matrix interference. E.M. 7/13/2022

HACH 8000	Chemical Oxygen Demand - ASP	51		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	50		units	1	07/08/2022	3:27 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	660		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/07/2022	4:14 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	60700		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.0567		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/08/2022	2:58 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	9.19		mg/L	0.5	07/21/2022	MO
EPA 9040C	Corrosivity/pH	6.46		Units	0.1	07/07/2022	2:06 pm
					JLM		

PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	RH
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Matrix spike recovery below acceptable QC limits due to possible sample matrix interferences.

SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022	MO	
40CFR136	NH4 Preparation	Completed			07/19/2022	MO	
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022	RH	
SW846/9056A	Sulfate, Aqueous - ASP	42.3		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	1280.0		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.423	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr

SW846-9060A	Total Organic Carbon - ASP	0.792		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	53.0		NTU	0.02	07/08/2022	3:27 pm

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

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EMAIL 9/27/2022

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Sample No. AY11725

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJR							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Approved By **Michele Matos**

QA Officer

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Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11725

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

GZ 9/24/2022

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3351 B1040 902 C118 D7306
E3351 F55 G4836 K9050+ 44 65

Collection Point : RFW-6

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 07/07/2022 AT 7:35:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/07/2022 AT 12:24:00PM

PWS No. :

Type Descriptor : 000
pH :

Source ID : 000

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	1040		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	160000		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	25600		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	103000		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	5140		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	358000		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	192		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	622		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	1060		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	15.3		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	79.8		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	1480		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	418		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	69.6		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

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These analytical results relate only to the sample identified in this report.

Sample No. AY11726

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	180		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/13/2022	9:30 am
SM21-5210B	ASP BOD Set Date and Time	Completed			07/08/2022	11:52 am	MO
EPA 6010C	ASP Calcium by ICP-AES	160000		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	750		mg/L	125	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	0.005		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	150		units	10	07/08/2022	3:27 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	820		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/07/2022	4:14 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	103000		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.104		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0166		mg/L	0.01	07/08/2022	2:58 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.883		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	6.93		Units	0.1	07/07/2022	2:06 pm

PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	RH
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	41.1		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	2064.0		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	1.59	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr

SW846-9060A	Total Organic Carbon - ASP	4.72	mg/L as C	0.25	07/13/2022		MO
EPA 180.1	Turbidity	170.0	NTU	0.02	07/08/2022	3:27 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

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Sample No. AY11726

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	0.721		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	1.75		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	1.39		ug/L	0.50	07/14/2022	GZ2

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11726

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:

Tetrahydrofuran: 11.5ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.

The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.

jc/GZ 9/24/22

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

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EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL
CROTON, NY 10520

Received By : KB JLM
Bottle No : K459 461 4682 K4643 4714 4864

Collection Point : TRIP BLK

ID of Source :

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Collected By : LAB

Collection Date : 07/07/2022 AT 1:00:00PM

Submitted On : 07/11/2022 AT 11:54:00AM

PWS No. :

Type Descriptor : Source ID : 000

pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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Organics**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM

This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. DWM 9/26

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

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QA Officer

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These analytical results relate only to the sample identified in this report.

Sample No. AY1877

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY1877

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL
CROTON, NY 10520

Received By : JLM
Bottle No : S728 E4023 F163 G4966 B372 744
C3823 D662 K77 55 67+

Collection Point : RINSE BLK

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/13/2022 AT 11:00:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH:

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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Inorganics

ASP Metals by EPA 6010C

EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	08/31/2022	MO

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/21/2022	MO

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Approved By **Michele Matos**

QA Officer

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NYS ELAP # 10108

(914) 231-1620

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EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12060

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022	9:21 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/13/2022	12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/14/2022	3:38 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022	3:50 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/14/2022	2:39 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.19		Units	0.1	07/13/2022	3:20 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0085	J	mg/L	0.025	07/21/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH4 Preparation	Completed				07/26/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	< LOQ		mg/L	2.0	07/14/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.305	B	mg/L	0.06	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.976		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	0.02		NTU	0.02	07/14/2022	3:38 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12060

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	1.70		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2

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DL = Detection Limit

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12060

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

Trans-1,3-dichloropropene and 1,2,4-trimethylbenzene recovered below acceptable QC limits due to possible matrix interference.

Established low bias on <LOQ results renders the analytical data suspect.

GZ 9/24/2022

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3332 B187 1277 C129 D669
E3489 F312 G4653 K8484+ 4 7

Collection Point : MARSH RIGHT SRF 3A

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/13/2022 AT 9:30:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :

Type Descriptor : 000
pH :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Calcium	86500		ug/L	25000	09/01/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Magnesium	229000		ug/L	25000	09/01/2022	MO
EPA 6010C	Potassium	66800		ug/L	2500	09/01/2022	MO
EPA 6010C	Sodium	1800000		ug/L	2500	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	155		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	12.5		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	36.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	332		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	58.1		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	41.6		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12062

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	75.9		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022	9:21 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/13/2022	12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	86500		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	4200		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	45		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022	3:38 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1200		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022	3:50 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	229000		ug/L	1.00	09/01/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0100		mg/L	0.01	07/14/2022	2:39 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.278		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.39		Units	0.1	07/13/2022	3:20 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0101	J	mg/L	0.025	07/21/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH4 Preparation	Completed				07/26/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	577		mg/L	87.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	7986.7		mg/L	2.0	07/15/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.701	B	mg/L	0.06	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.697		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.43		NTU	0.02	07/14/2022	3:38 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

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These analytical results relate only to the sample identified in this report.

Sample No. AY12062

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

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Sample No. AY12062

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3345 B1085 1090 C100 D1340
E4119 F209 G5004 K7556+ 5 8

Collection Point : TELLERS POINT RIGHT SRF 1A

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/13/2022 AT 9:00:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :

Type Descriptor : 000
pH :

Source ID : 000

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Calcium	83300		ug/L	25000	09/01/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Magnesium	209000		ug/L	25000	09/01/2022	MO
EPA 6010C	Potassium	62900		ug/L	2500	09/01/2022	MO
EPA 6010C	Sodium	1660000		ug/L	2500	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	148		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	11.4		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	36.8		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	689		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	47.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	40.0		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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QA Officer

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Sample No. AY12065

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	75.4		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022	9:21 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/13/2022	12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	83300		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	3800		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	46		mg/L	5.0	07/19/2022	MO
<i>Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/25/22</i>							
SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022	3:38 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1100		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022	3:50 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	209000		ug/L	1.00	09/01/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0109		mg/L	0.01	07/14/2022	2:39 pm MO
<i>Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/14/22</i>							
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.186		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.74		Units	0.1	07/13/2022	3:20 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0107	J	mg/L	0.025	07/21/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/14/2022		MO
40CFR136	NH4 Preparation	Completed			07/26/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	506		mg/L	77.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	6400.0		mg/L	2.0	07/14/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.723	B	mg/L	0.06	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.744		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.09		NTU	0.02	07/14/2022	3:38 pm JLM
<u>Organics</u>							
<u>VOCs by 8260C Baseline Expanded</u>							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

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Sample No. AY12065

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12065

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3356 B410 1219 C133 D1590
E4114 F113G5069 K8719+

Collection Point : RR 5

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/28/2022 AT 11:00:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/28/2022 AT 11:50:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	133000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	3630		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	22900		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	5280		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	24500		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	132		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	802		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11014

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	451		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/04/2022	11:08 am
SM21-5210B	ASP BOD Set Date and Time	Completed			06/29/2022	12:26 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	133000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	65.0		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/01/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	6		mg/L	5.0	07/05/2022	MO
SM20-2120B	Color, Apparent - ASP	40		units	1	06/29/2022	2:18 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	430		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/28/2022	4:06 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/14/2022	MO
SW846-6010C	ASP Magnesium	22900		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	0.291		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0270		mg/L	0.01	06/29/2022	11:47 am
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.568		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.87		Units	0.1	06/28/2022	2:01 pm

PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	0.0079	J	mg/L	0.025	07/07/2022	MM
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM

SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022	MO
40CFR136	NH4 Preparation	Completed			07/07/2022	MO

Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.

40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022	RH	
SW846/9056A	Sulfate, Aqueous - ASP	21.0		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	642.0		mg/L	2.0	06/29/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.936	B	mg/L	0.06	07/26/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM

SW846-9060A	Total Organic Carbon - ASP	6.47		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	17.8		NTU	0.02	06/29/2022	2:18 pm

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11014

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM
This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM							
Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11014

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3344 B1056 1286 C125 D1222
E3412 F62 G4856 K6834

Collection Point : RR6 DUP

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 06/29/2022 AT 9:20:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 06/29/2022 AT 11:19:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	129000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	5140		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	35800		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	4000		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	6060		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	217		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	3180		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11127

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	485		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/05/2022	9:04 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-8-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			06/30/2022	12:08 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	129000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	5.00		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	5		units	1	06/29/2022	2:18 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	470		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/29/2022	2:49 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	35800		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.492		mg/L	0.10	06/30/2022	12:18 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	2.35		mg/L	0.25	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.84		Units	0.1	06/29/2022	2:10 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0116	J	mg/L	0.025	07/07/2022	MM
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/07/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	51.0		mg/L	2.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	610.7		mg/L	2.0	06/30/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.372	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	2.76		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	2.42		NTU	0.02	06/29/2022	2:18 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM

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LOQ = Limit of Quantitation

J= value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11127

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM

Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11127

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	1.75		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	0.970		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

Surrogate 4-Bromofluorobenzene recovered higher than the QC criteria.

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

GZ 9/24/2022

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3357 B430 842 G5111 E4107
F232 D75 C104 K8697+ 19 17

Collection Point : SURFACE RR LEFT

Collected By : STEY & DUVAL
Collection Date : 06/29/2022 AT 10:15:00AM

ID of Source :

Submitted On : 06/29/2022 AT 11:19:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	1010		ug/L	1000	07/21/2022	MO
EPA 6010C	Calcium	64500		ug/L	10000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	500	07/21/2022	MO
EPA 6010C	Magnesium	146000		ug/L	10000	07/21/2022	MO
EPA 6010C	Potassium	44600		ug/L	1000	07/21/2022	MO
EPA 6010C	Sodium	1140000		ug/L	1000	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	136		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	28.3		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	57.2		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	60.6		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	21.2		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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QA Officer

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EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11128

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	71.5		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/05/2022	9:04 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-8-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			06/30/2022	12:08 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	64500		ug/L	10000	07/21/2022	MO
SW846/9253	Chloride - ASP	2900		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	36		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	06/29/2022	2:18 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	760		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/29/2022	2:49 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	146000		ug/L	10000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0114		mg/L	0.01	06/30/2022	12:18 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.443		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.56		Units	0.1	06/29/2022	2:10 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJR</i>							
EPA 9065	Phenolics, Total Recoverable	0.0076	J	mg/L	0.025	07/07/2022	MM
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/12/2022		MO
40CFR136	NH4 Preparation	Completed			07/07/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	379		mg/L	10.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	4864.0		mg/L	2.0	06/30/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.478	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.802		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	7.40		NTU	0.02	06/29/2022	2:18 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/10/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/10/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/10/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11128

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/10/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/10/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/10/2022	DWM

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation. This method deviation will render the data unsuitable for regulatory reporting purposes. MM

Acrolein and Acrylonitrile analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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These analytical results relate only to the sample identified in this report.

Sample No. AY11128

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S1024 D5138 C227 F409 B1051
B1235 G4943 E3456 K6356+

Collection Point : RINSE BLK

Collected By : DUVAL & STEY
Collection Date : 07/05/2022 AT 10:00:00AM

ID of Source :

Submitted On : 07/05/2022 AT 11:00:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/20/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

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QA Officer

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EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11431

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/12/2022	9:19 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/07/2022	8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/06/2022	3:05 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/05/2022	3:07 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/06/2022	12:03 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.874		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.11		Units	0.1	07/05/2022	3:37 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/11/2022	MM
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/12/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	< LOQ		mg/L	2.0	07/06/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.314	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	1.25		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.15		NTU	0.02	07/06/2022	3:05 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

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NYS ELAP # 10108

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EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11431

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5) for Acrolein and Acrylonitrile. This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile. DWM 9/26/22

The method stipulated preservation requirement is a pH <2 for all other analytes. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

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NYS ELAP # 10108

(914) 231-1620

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EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11431

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	1.68		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL
CROTON, NY 10520

Received By : JLM
Bottle No : S3301 C202 D7213 E3237 F632
G4982 B665 128 K815 +

Collection Point : RINSE BLK

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/06/2022 AT 11:30:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/06/2022 AT 11:54:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/20/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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LOQ = Limit of Quantitation

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

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NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11561

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/12/2022	9:19 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/07/2022	8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/06/2022	3:05 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/06/2022	3:12 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/07/2022	2:32 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	6.75		Units	0.1	07/06/2022	3:40 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	.004	07/15/2022	MM
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/12/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	2.8		mg/L	2.0	07/07/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.347	B	mg/L	0.06	07/26/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	1.64		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.02		NTU	0.02	07/06/2022	3:05 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11561

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM
This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5) for Acrolein and Acrylonitrile. This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile. DWM 9/26/22							
The method stipulated preservation requirement is a pH <2 for all other analytes. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11561

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	1.74		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

Methyl tert-butyl ether exceeded the calibration curve and is an estimate, jc 9/8/22

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

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NYS ELAP # 10108
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EMAIL 9/28/2022

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL
CROTON, NY 10520

Received By : JLM
Bottle No : S3077 D1464 C148 B614 B1226
G4664 F244 E3244 K3138+

Collection Point : RINSE BLANK

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 07/07/2022 AT 11:45:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/07/2022 AT 12:24:00PM

PWS No. :

Type Descriptor : 000
pH :

Source ID : 000

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	51.6		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	35.9		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/20/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

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Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/13/2022	9:30 am
SM21-5210B	ASP BOD Set Date and Time	Completed				07/08/2022	11:52 am
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/08/2022	3:27 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/07/2022	4:14 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.0512		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/08/2022	2:58 pm
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.21		Units	0.1	07/07/2022	2:06 pm

PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	.004	07/15/2022	MM
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	14.0		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.301	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	0.935	mg/L as C	0.25	07/13/2022	MM
EPA 180.1	Turbidity	0.02	NTU	0.02	07/08/2022	3:27 pm

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ	ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ	ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ	ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ	ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ	ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ	ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ	ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ	ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ	ug/L	5.00	07/13/2022	DWM

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H = exceeds holding time

Approved By Michele Matos

QA Officer

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Environmental Laboratories

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Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5) for Acrolein and Acrylonitrile. This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile. DWM 9/26/22							
The method stipulated preservation requirement is a pH <2 for all other analytes. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	1.69		ug/L	0.50	07/13/2022	DWM

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Approved By Michele Matos

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

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Sample No. AY11721

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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QA Officer

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL
CROTON, NY 10520

Received By : KB JLM
Bottle No : S3070 C113 D5054 B1031 B1234
G4897 F338 E3144 K6121+

Collection Point : RINSE BLK

Collected By : STEY & DUVAL
Collection Date : 07/11/2022 AT 11:15:00AM

ID of Source :

Submitted On : 07/11/2022 AT 11:52:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

PWS No. :

Type Descriptor : 000

pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	11.2		ug/L	10.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/21/2022	MO

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These analytical results relate only to the sample identified in this report.

Sample No. AY1876

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022	10:16 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/12/2022	10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/12/2022	3:10 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022	2:43 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.0570		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022	11:52 am MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	8.38		Units	0.1	07/11/2022	2:43 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJR</i>							
EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	.004	07/15/2022	MM
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	31.6		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.273	B	mg/L	0.06	07/25/2022	MO
<i>Matrix spike recovery below acceptable QC limits due to possible sample matrix interferences. tmb 7/26/22</i>							
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.923		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.02		NTU	0.02	07/12/2022	3:10 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

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EMAIL 9/28/2022

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Sample No. AY1876

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5) for Acrolein and Acrylonitrile. This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile. DWM 9/26/22							
The method stipulated preservation requirement is a pH <2 for all other analytes. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

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These analytical results relate only to the sample identified in this report.

Sample No. AY11876

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	1.58		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

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QA Officer

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3325 B715 1036 C138 D1311
E4058 F697 G4823 K6620+ 2 1

Collection Point : MARSH LEFT SRF 3B

ID of Source :

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Collected By : DUVAL & STEY
Collection Date : 07/13/2022 AT 9:15:00AM

Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Calcium	94400		ug/L	25000	09/01/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Magnesium	246000		ug/L	25000	09/01/2022	MO
EPA 6010C	Potassium	73500		ug/L	2500	09/01/2022	MO
EPA 6010C	Sodium	1940000		ug/L	2500	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	173		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	15.4		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	42.4		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	642		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	70.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	51.7		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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These analytical results relate only to the sample identified in this report.

Sample No. AY12063

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	75.5		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022	9:21 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/13/2022	12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	94400		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	4400		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	38		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022	3:38 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1200		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022	3:50 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	246000		ug/L	1.00	09/01/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0101		mg/L	0.01	07/14/2022	2:39 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.289		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.26		Units	0.1	07/13/2022	3:20 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	.004	07/21/2022	MM
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH4 Preparation	Completed				07/26/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	581		mg/L	86.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	7353.3		mg/L	2.0	07/15/2022	MO
<i>Sample and duplicate's precision is outside the 5% RPD method range. CM 7/18/22</i>							
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.675	B	mg/L	0.06	07/25/2022	MO
<i>Matrix spike recovery below acceptable QC limits due to possible sample matrix interferences. tmb 7/26/22</i>							
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.713		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.22		NTU	0.02	07/14/2022	3:38 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM

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QA Officer

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Sample No. AY12063

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Sample No. AY12063

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3332 B187 1277 C129 D669
E3489 F312 G4653 K8484+ 4 7

Collection Point : MARSH RIGHT SRF 3A

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/13/2022 AT 9:30:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :

Type Descriptor : 000
pH :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Calcium	86500		ug/L	25000	09/01/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Magnesium	229000		ug/L	25000	09/01/2022	MO
EPA 6010C	Potassium	66800		ug/L	2500	09/01/2022	MO
EPA 6010C	Sodium	1800000		ug/L	2500	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	155		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	12.5		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	36.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	332		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	58.1		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	41.6		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3070

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12062

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	75.9		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022	9:21 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/13/2022	12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	86500		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	4200		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	45		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022	3:38 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1200		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022	3:50 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	229000		ug/L	1.00	09/01/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0100		mg/L	0.01	07/14/2022	2:39 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.278		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.39		Units	0.1	07/13/2022	3:20 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0101	J	mg/L	0.025	07/21/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH4 Preparation	Completed				07/26/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	577		mg/L	87.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	7986.7		mg/L	2.0	07/15/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.701	B	mg/L	0.06	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.697		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.43		NTU	0.02	07/14/2022	3:38 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12062

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3070

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12062

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
Correction	THIS IS A CORRECTED COPY	Completed				07/18/2022	RH

Comments: Original report lacked the 1,4-Dioxane reporting. RWHJr.

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3070

EMAIL 9/28/2022

Page 4 of 4

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3334 B534 1099 C1001 D1026
E4011 F640 G5178 K7058+ 11 10

Collection Point : TELLERS POINT LEFT SRF 1B

ID of Source :

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Collected By : DUVAL & STEY
Collection Date : 07/13/2022 AT 9:05:00AM

Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

addt'l Report To :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Calcium	82900		ug/L	25000	09/01/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Magnesium	206000		ug/L	25000	09/01/2022	MO
EPA 6010C	Potassium	61800		ug/L	2500	09/01/2022	MO
EPA 6010C	Sodium	1640000		ug/L	2500	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	135		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	11.2		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	38.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	654		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	51.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	38.3		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3070

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12064

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	75.4		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022	9:21 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/13/2022	12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	82900		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	3900		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	44		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022	3:38 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1100		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022	3:50 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	206000		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0111		mg/L	0.01	07/14/2022	2:39 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.167		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.67		Units	0.1	07/13/2022	3:20 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0093	J	mg/L	0.025	07/21/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/14/2022		MO
40CFR136	NH4 Preparation	Completed			07/26/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	513		mg/L	77.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	6326.7		mg/L	2.0	07/14/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.693	B	mg/L	0.06	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ. MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.753		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.17		NTU	0.02	07/14/2022	3:38 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/14/2022	GZ2
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/14/2022	GZ2
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/14/2022	GZ2
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/14/2022	GZ2

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Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

EMAIL 9/28/2022

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Sample No. AY12064

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Prep. Method	5030c		ug/L		07/14/2022	GZ2
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/14/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH 4-5. Analysis was conducted within the regulatory defined window of 3 days - pH has no impact on result.

jc/GZ 9/24/2022

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2

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H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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Sample No. AY12064

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
Correction	THIS IS A CORRECTED COPY	Completed				07/18/2022	RH

Comments: Original report lacked the 1,4-Dioxane reporting. RWHJr.

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Chief of Env. Lab Services

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Environmental Laboratories
NYS ELAP # 10108
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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3345 B1085 1090 C100 D1340
E4119 F209 G5004 K7556+ 5 8

Collection Point : TELLERS POINT RIGHT SRF 1A

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/13/2022 AT 9:00:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/13/2022 AT 11:39:00AM

PWS No. :

Type Descriptor : 000
pH :

Residual Cl2 :

Free Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Calcium	83300		ug/L	25000	09/01/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Magnesium	209000		ug/L	25000	09/01/2022	MO
EPA 6010C	Potassium	62900		ug/L	2500	09/01/2022	MO
EPA 6010C	Sodium	1660000		ug/L	2500	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	148		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	11.4		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	36.8		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	689		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	47.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	40.0		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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Sample No. AY12065

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	75.4		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022	9:21 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/13/2022	12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	83300		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	3800		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	46		mg/L	5.0	07/19/2022	MO
<i>Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/25/22</i>							
SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022	3:38 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1100		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022	3:50 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	209000		ug/L	1.00	09/01/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0109		mg/L	0.01	07/14/2022	2:39 pm MO
<i>Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/14/22</i>							
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.186		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.74		Units	0.1	07/13/2022	3:20 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0107	J	mg/L	0.025	07/21/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/14/2022		MO
40CFR136	NH4 Preparation	Completed			07/26/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	506		mg/L	77.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	6400.0		mg/L	2.0	07/14/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.723	B	mg/L	0.06	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	0.744		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.09		NTU	0.02	07/14/2022	3:38 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM

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Sample No. AY12065

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3070

EMAIL 9/28/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY12065

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
Correction	THIS IS A CORRECTED COPY	Completed				07/18/2022	RH

Comments: Original report lacked the 1,4-Dioxane reporting. RWHJr.

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3070

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : KB JLM
Bottle No : S3347 B324 1278 C79 D975 E3350
F104 G5046 K4587+ 50 63

Collection Point : RFW 10S

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 07/11/2022 AT 7:35:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/11/2022 AT 11:55:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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Inorganics**ASP Metals by EPA 6010C**

EPA 6010C	Boron	81.3		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	244000		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	15000		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	71800		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	5560		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	78500		ug/L	100	08/31/2022	MO

Sodium, Magnesium and Calcium matrix spikes exceeded acceptable QC limits due to matrix enhancement (high analyte value enhanced spike recovery). MO/RH

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	2560		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	264		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	611		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	146		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	117		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/21/2022	MO

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3072

EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY1878

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	36.0		ug/L	20.0	07/21/2022	MO
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
<i>Aluminum matrix spike recovery exceeded acceptable QC limits due to matrix enhancement (high analyte value enhanced spike recovery). MO/RH</i>							
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	597		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022	10:16 am
<i>Dilution water blank exceeds 0.2 mg/L. KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/12/2022	10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	244000		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	400		mg/L	50.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	200		units	10	07/12/2022	3:10 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	900		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022	2:43 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	71800		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022	11:52 am
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	6.90		Units	0.1	07/11/2022	2:43 pm
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0062	J	mg/L	0.025	07/21/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/14/2022		MO
40CFR136	NH4 Preparation	Completed			07/19/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	86.7		mg/L	3.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	1470.0		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.466	B	mg/L	0.06	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	1.59		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	521		NTU	0.02	07/12/2022	3:10 pm
<u>Organics</u>							
VOCs by 8260C Baseline Expanded							

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LOQ = Limit of Quantitation

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H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3072

EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11878

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3072

EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11878

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3072

EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : KB JLM
Bottle No : S3350 B694 702 C160 D1217
E3490 F139 G5080 K6819+ 52 51

Collection Point : RFW 10D

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 07/11/2022 AT 8:00:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/11/2022 AT 11:55:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	76200		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	21700		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	3500		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	14200		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	122		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	120		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	35.7		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3072

EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY1879

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	239		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022	10:16 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/12/2022	10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	76200		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	81.0		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/12/2022	3:10 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	280		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022	2:43 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	21700		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.0748		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022	11:52 am MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.39		Units	0.1	07/11/2022	2:43 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0045	J	mg/L	0.025	07/21/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/14/2022		MO
40CFR136	NH4 Preparation	Completed			07/19/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	12.6		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	426.0		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.353	B	mg/L	0.06	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	2.21		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.64		NTU	0.02	07/12/2022	3:10 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3072

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These analytical results relate only to the sample identified in this report.

Sample No. AY11879

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3072

EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11879

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:

1,4-dioxane: 6.3ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.

The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.

jc/GZ 9/24/22

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : KB JLM
Bottle No : S3346 B665 1067 C1521 D7695
E3134 F656 G4676 K9052+ 55 58

Collection Point : RFW 11S

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 07/11/2022 AT 9:10:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/11/2022 AT 11:56:00AM

PWS No. :

Type Descriptor : 000
pH :

Source ID : 000

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	85.9		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	56600		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	9000		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	27000		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	9570		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	86300		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	163		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	72.5		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	510		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3076

EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11880

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	335		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	3.20		mg/L	2	07/17/2022 10:16 am	MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/12/2022	10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	56600		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	155		mg/L	25.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	10		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	100		units	1	07/12/2022 3:10 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	250		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022 2:43 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	27000		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	2.49		mg/L	0.25	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022 11:52 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.15		Units	0.1	07/11/2022 2:43 pm	JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0064	J	mg/L	0.025	07/21/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/14/2022		MO
40CFR136	NH4 Preparation	Completed			07/19/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	581.3		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	2.67	B	mg/L	0.30	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	3.77		mg/L as C	0.25	07/20/2022	MO
<i>Matrix spike recovery above acceptable QC limits due to possible sample matrix interferences.</i>							
EPA 180.1	Turbidity	74.4		NTU	0.02	07/12/2022 3:10 pm	JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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These analytical results relate only to the sample identified in this report.

Sample No. AY11880

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetone	54.5		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
Surrogate 4-bromofluorobenzene recovered higher than the QC criteria jc 9/8/22							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2

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H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

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Sample No. AY11880

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:

Acetone: 54.5 ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting. The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and TNI do not offer accreditation for these TIC list chemicals in the S&HW matrix. RWHJr/GZ 9/24/2022

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Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3076

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : KB JLM
Bottle No : S3336 B647 585 C103 D7192
E3315 F622 G5041 K1516+ 53 54

Collection Point : RFW 11D

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 07/11/2022 AT 9:45:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/11/2022 AT 11:56:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	300		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	69800		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	16000		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	94900		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	35700		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	619000		ug/L	1000	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	241		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	67.8		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	151		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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Sample No. AY11881

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	779		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022	10:16 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/12/2022	10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	69800		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	1250		mg/L	125	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	35		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	100		units	1	07/12/2022	3:10 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	560		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022	2:43 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	94900		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	38.5		mg/L	5.00	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022	11:52 am MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.79		Units	0.1	07/11/2022	2:43 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0249	J	mg/L	0.025	07/21/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/14/2022		MO
40CFR136	NH4 Preparation	Completed			07/19/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	2816.0		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	31.8	B	mg/L	3.08	07/29/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	3.83		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	233		NTU	0.02	07/12/2022	3:10 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM

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Sample No. AY11881

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3076

EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11881

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3076

EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : KB JLM
Bottle No : S3337 B426 270 C122 D5000
E4152 F11 G4890 K8320+ 56 57

Collection Point : RFW 12S

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 07/11/2022 AT 10:20:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/11/2022 AT 11:57:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
	ASP Metals by EPA 6010C						
EPA 6010C	Boron	< LOQ		ug/L	50	09/01/2022	MO
EPA 6010C	Calcium	51100		ug/L	1000	09/01/2022	MO
EPA 6010C	Iron	5240		ug/L	50	09/01/2022	MO
EPA 6010C	Magnesium	15600		ug/L	1000	09/01/2022	MO
EPA 6010C	Potassium	1920		ug/L	100	09/01/2022	MO
EPA 6010C	Sodium	8740		ug/L	100	09/01/2022	MO
	ASP Metals by EPA 6020A						
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	63.6		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	269		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

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Report Number: 3076

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These analytical results relate only to the sample identified in this report.

Sample No. AY11882

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	239		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022	10:16 am MO
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/12/2022	10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	51100		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	8.00		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	40		units	1	07/12/2022	3:10 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	190		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022	2:43 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	15600		ug/L	1.00	09/01/2022	MO
SM22-4500NH3-G	Ammonia as N	0.259		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022	11:52 am MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.38		Units	0.1	07/11/2022	2:43 pm JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0071	J	mg/L	0.025	07/21/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/14/2022		MO
40CFR136	NH4 Preparation	Completed			07/19/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	2.93		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	300.0		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.696	B	mg/L	0.06	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	2.51		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	55.3		NTU	0.02	07/12/2022	3:10 pm JLM
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM

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Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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Sample No. AY11882

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
Surrogate 4-bromofluorobenzene recovered higher than the QC criteria jc 9/8/22							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3076

EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11882

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : KB JLM
Bottle No : S3324 B784 576 C150 D7236
E3292 F621 G5121 K6371+ 59 60

Collection Point : RFW 12D

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 07/11/2022 AT 10:55:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/11/2022 AT 11:57:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
	ASP Metals by EPA 6010C						
EPA 6010C	Boron	98.7		ug/L	50	09/01/2022	MO
EPA 6010C	Calcium	78000		ug/L	1000	09/01/2022	MO
EPA 6010C	Iron	933		ug/L	50	09/01/2022	MO
EPA 6010C	Magnesium	28700		ug/L	1000	09/01/2022	MO
EPA 6010C	Potassium	3470		ug/L	100	09/01/2022	MO
EPA 6010C	Sodium	132000		ug/L	100	09/01/2022	MO
	ASP Metals by EPA 6020A						
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	68.2		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	686		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3076

EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11883

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	408		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022	10:16 am
<i>Dilution water blank exceeds 0.2 mg/L KA 7-25-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed			07/12/2022	10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	78000		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	300		mg/L	50.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	11		mg/L	5.0	07/13/2022	MO
<i>Sample and duplicate's precision is outside the 20% RPD method range. CM 7/14/22</i>							
SM20-2120B	Color, Apparent - ASP	30		units	1	07/12/2022	3:10 pm
EPA 6010C	ASP Hardness as Calcium Carbonate	310		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022	2:43 pm
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	28700		ug/L	1.00	09/01/2022	MO
SM22-4500NH3-G	Ammonia as N	0.288		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022	11:52 am
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.88		Units	0.1	07/11/2022	2:43 pm
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0050	J	mg/L	0.025	07/21/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed			07/14/2022		MO
40CFR136	NH4 Preparation	Completed			07/19/2022		MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed			07/21/2022		RH
SW846/9056A	Sulfate, Aqueous - ASP	22.0		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	900.0		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.836	B	mg/L	0.06	07/25/2022	MO
<i>"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM</i>							
SW846-9060A	Total Organic Carbon - ASP	3.98		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	5.64		NTU	0.02	07/12/2022	3:10 pm
<i>JLM</i>							
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM

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Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

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Sample No. AY11883

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3076

EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11883

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.

jc/GZ 9/24/2022

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Approved By *Robert Hilbrandt Jr.*

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories
NYS ELAP # 10108
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EMAIL 9/29/2022

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These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3342 C146 E3246 F714 H724
K6653 I4788

Collection Point : RR SUMP #1 LEACHATE

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/05/2022 AT 7:30:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/05/2022 AT 11:00:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	17.9		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	351		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	10.4		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	24.3		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	126		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	96.5		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	69.6		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	22.4		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	59.3		mg/L	2	07/12/2022	9:19 am

Dilution water blank exceeds 0.2 mg/L KA 7-14-22

SM21-5210B	ASP BOD Set Date and Time	Completed		07/07/2022	8:18 am	MO
SW846-9012A	ASP Total Cyanide	0.014	mg/L	0.005	07/12/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ	ug/L	40	07/05/2022	3:07 pm

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

EMAIL 9/30/2022

Report Number: 3077

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These analytical results relate only to the sample identified in this report.

Sample No. AY11435

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
EPA 9040C	Corrosivity/pH	7.04		Units	0.1	07/05/2022 3:37 pm	JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJR</i>							
EPA 9065	Phenolics, Total Recoverable	0.117		mg/L	0.025	07/11/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
USGS I-3765-85	Total Suspended Solids	18.0		mg/L	2.0	07/11/2022	MO
Organics							
EPA8081B Pesticides - Water							
SW846/8081B	4,4-DDD	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	4,4-DDE	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	4,4-DDT	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	a-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	a-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Aldrin	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	b-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Chlordane	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	d-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Dieldrin	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endosulfan 1	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Endosulfan 2	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endosulfan sulfate	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin aldehyde	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin ketone	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	g-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor epoxide	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Lindane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Methoxychlor	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	GZ2
SW846/8081B	Toxaphene	< LOQ		ug/L	12.5	07/07/2022	GZ2
<i>This sample lacks a passing Endrin/DDT breakdown check; this renders the data for only chlordane and toxaphene suspect. DWM; 9/30/22</i>							
EPA8082A - PCBs in Water							
SW846/8082A	Aroclor 1016 (PCB-1016)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1221 (PCB-1221)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1232 (PCB-1232)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1242 (PCB-1242)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1248 (PCB-1248)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1254 (PCB-1254)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1260 (PCB-1260)	< LOQ		ug/L	0.50	07/07/2022	RH

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11435

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846/8082A	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	RH
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:
isobutyl alcohol 38.5ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.

The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. DWM 9/26

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved :

09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number:

3077

EMAIL 9/30/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11435

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,4-dichlorobenzene	1.49		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	1.10		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	5.97		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	0.506		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	3.05		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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Sample No. AY11435

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
The following tentatively identified compounds (TICs) are present; the concentrations given are estimates: tetrahydrofuran 56.5ug/L							
Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.							
The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.							
jc 8/24/22							
This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation (pH <2). This method deviation may render the data unsuitable for regulatory reporting purposes. DWM 9/26/22							
8270D - AE/BN in water							
SW846-8270D	1,2,4-Trichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,2-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,3-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,4-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4,6-Trichlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dichlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dimethylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,6-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chloronaphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Methyl-4,6-dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	3,3'-Dichlorobenzidine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Bromophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chloro-3-methylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chlorophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Acenaphthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Acenaphthylene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Azobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzidine	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Benzo(a)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(a)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(b)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(g,h,i)perylene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(k)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11435

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-8270D	Benzyl butyl phthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethoxy)methane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethyl)ether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Ethylhexyl)phthalate	17.6		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Chrysene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dibenzo(a,h)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Diethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dimethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-butylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-octylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluorene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobutadiene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorocyclopentadiene	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Hexachloroethane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Indeno(1,2,3-cd)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Isophorone	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Naphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Nitrobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodimethylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodi-n-propylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodiphenylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pentachlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Phenanthrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Phenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Prep. Method	3510c		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

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These analytical results relate only to the sample identified in this report.

Sample No. AY11435

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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The recovery for Benzidine in the LCS is below acceptable QC criteria. Established low bias on <LOQ results renders the analytical data suspect.

"B" flag: The associated blank had contamination exceeding a concentration greater than 1/20 (5%) of the measured concentration in the sample for Bis (2-Ethylhexyl)phthalate.

The spike recoveries of Benzidine and Bis(2-ethylhexyl)phthalate were below the QC criteria due to possible matrix interference.

The following tentatively identified compounds are present; the concentrations given are estimates (ug/L):

1,3,5-Trioxane - 22.2
 Diethyltoluamide - 23.5
 N-ethyl-2-methyl-benzenesulfonamide - 19.7
 2(3H)-Benzothiazolone - 22.8
 n-Hexadecanoic acid - 18.5
 (Z)-9-Octadecenamide - 18.5

MR/GZ 8/11/22

EPA 1664B	Oil & Grease Total Recoverable (HEM)	5.87	mg/L	5	07/11/2022	NM
EPA 1664B	non-Polar Extractable Material (TPH)	2.57	mg/L	2.5	07/11/2022	NM

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Approved By **Michele Matos**

QA Officer

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3335 C115 E3274 F305 H404
I4800+ K8269+

Collection Point : RR SUMP #1 LEACHATE DUP

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/05/2022 AT 7:30:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/05/2022 AT 11:00:00AM

PWS No. :

Type Descriptor : 000
pH :

Source ID : 000

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MM
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MM
EPA 6020A	Arsenic	17.5		ug/L	10.0	07/14/2022	MM
EPA 6020A	Barium	339		ug/L	10.0	07/21/2022	MM
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MM
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MM
EPA 6020A	Chromium	10.2		ug/L	10.0	07/14/2022	MM
EPA 6020A	Cobalt	23.5		ug/L	10.0	07/14/2022	MM
EPA 6020A	Copper	124		ug/L	50.0	07/14/2022	MM
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MM
EPA 6020A	Manganese	95.2		ug/L	10.0	07/14/2022	MM
EPA 6020A	Nickel	68.5		ug/L	10.0	07/14/2022	MM
EPA 6020A	Selenium	21.2		ug/L	20.0	07/14/2022	MM
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MM
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MM
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MM
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MM
SM22-5210B	Biochemical Oxygen Demand	68.5		mg/L	2	07/12/2022	9:19 am

Dilution water blank exceeds 0.2 mg/L KA 7-14-22

SM21-5210B	ASP BOD Set Date and Time	Completed		07/07/2022	8:18 am	MO
SW846-9012A	ASP Total Cyanide	0.016	mg/L	0.005	07/12/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ	ug/L	40	07/05/2022	3:07 pm

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

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Report Number: 3077

EMAIL 9/30/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11436

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
EPA 9040C	Corrosivity/pH	7.12		Units	0.1	07/05/2022 3:37 pm	JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJR</i>							
EPA 9065	Phenolics, Total Recoverable	0.0278		mg/L	0.025	07/11/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
USGS I-3765-85	Total Suspended Solids	10.5		mg/L	2.0	07/11/2022	MO
Organics							
EPA8081B Pesticides - Water							
SW846/8081B	4,4-DDD	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	4,4-DDE	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	4,4-DDT	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	a-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	a-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Aldrin	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	b-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Chlordane	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	d-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Dieldrin	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endosulfan 1	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Endosulfan 2	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endosulfan sulfate	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin aldehyde	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin ketone	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	g-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor epoxide	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Lindane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Methoxychlor	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	GZ2
SW846/8081B	Toxaphene	< LOQ		ug/L	12.5	07/07/2022	GZ2
<i>This sample lacks a passing Endrin/DDT breakdown check; this renders the data for only chlordane and toxaphene suspect. DWM; 9/30/22</i>							
EPA8082A - PCBs in Water							
SW846/8082A	Aroclor 1016 (PCB-1016)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1221 (PCB-1221)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1232 (PCB-1232)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1242 (PCB-1242)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1248 (PCB-1248)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1254 (PCB-1254)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1260 (PCB-1260)	< LOQ		ug/L	0.50	07/07/2022	RH

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DL = Detection Limit

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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Sample No. AY11436

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846/8082A	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	RH
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:
isobutyl alcohol 36.1

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.

The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. DWM 9/26

VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

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Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,4-dichlorobenzene	1.52		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	1.11		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	5.96		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	0.535		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	3.20		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

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Sample No. AY11436

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:							
tetrahydrofuran 54.8ug/L							
Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.							
The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.							
jc 8/24/22							
This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation (pH <2). This method deviation may render the data unsuitable for regulatory reporting purposes. DWM 9/26/22							
8270D - AE/BN in water							
SW846-8270D	1,2,4-Trichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,2-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,3-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,4-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4,6-Trichlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dichlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dimethylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,6-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chloronaphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Methyl-4,6-dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	3,3'-Dichlorobenzidine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Bromophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chloro-3-methylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chlorophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Acenaphthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Acenaphthylene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Azobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzidine	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Benzo(a)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(a)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(b)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(g,h,i)perylene	< LOQ		ug/L	5.0	07/12/2022	GZ2

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Approved By **Michele Matos**

QA Officer

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Sample No. AY11436

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-8270D	Benzo(k)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzyl butyl phthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethoxy)methane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethyl)ether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Ethylhexyl)phthalate	7.11		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Chrysene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dibenzo(a,h)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Diethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dimethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-butylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-octylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluorene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobutadiene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorocyclopentadiene	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Hexachloroethane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Indeno(1,2,3-cd)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Isophorone	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Naphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Nitrobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodimethylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodi-n-propylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodiphenylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pentachlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Phenanthrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Phenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Prep. Method	3510c		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2

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Sample No. AY11436

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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The recovery for Benzidine in the LCS is below acceptable QC criteria. Established low bias on <LOQ results renders the analytical data suspect.

"B" flag: The associated blank had contamination exceeding a concentration greater than 1/20 (5%) of the measured concentration in the sample for Bis (2-Ethylhexyl)phthalate.

The following tentatively identified compounds are present; the concentrations given are estimates (ug/L):

4-(1,1-Dimethylpropyl)-phenol - 16.2

Diethyltoluamide - 23.3

N-ethyl-2-methyl-benzenesulfonamide - 16.0

2(3H)-Benzothiazolone - 19.8

n-Hexadecanoic acid - 16.2

(Z)-9-Octadecenamide - 19.1

(Z)-13-Docosenamide - 24.7

MR /GZ 8/11/22

EPA 1664B	Oil & Grease Total Recoverable (HEM)	21.7	mg/L	5	07/11/2022	NM
EPA 1664B	non-Polar Extractable Material (TPH)	17.5	mg/L	2.5	07/11/2022	NM

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

Page 7 of 7

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3343 C200 E4018 F683 H268
K1739+ I4718+

Collection Point : PS # 2

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/05/2022 AT 8:10:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/05/2022 AT 11:00:00AM

PWS No. :

Type Descriptor : 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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Inorganics

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	135		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	148		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	380		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	338		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	10.1		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Zinc	123		ug/L	80.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	76.4		mg/L	2	07/12/2022	9:19 am

Dilution water blank exceeds 0.2 mg/L KA 7-14-22

SM21-5210B	ASP BOD Set Date and Time	Completed		07/07/2022	8:18 am	MO
SW846-9012A	ASP Total Cyanide	0.007	mg/L	0.005	07/12/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ	ug/L	40	07/05/2022	3:07 pm

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Sample No. AY1437

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
EPA 9040C	Corrosivity/pH	7.59		Units	0.1	07/05/2022 3:37 pm	JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJR</i>							
EPA 9065	Phenolics, Total Recoverable	0.154		mg/L	0.025	07/11/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
USGS I-3765-85	Total Suspended Solids	68.3		mg/L	2.0	07/11/2022	MO
Organics							
EPA8081B Pesticides - Water							
SW846/8081B	4,4-DDD	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	4,4-DDE	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	4,4-DDT	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	a-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	a-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Aldrin	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	b-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Chlordane	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	d-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Dieldrin	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	Endosulfan 1	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Endosulfan 2	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	Endosulfan sulfate	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	Endrin	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	Endrin aldehyde	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	Endrin ketone	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	g-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor epoxide	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Lindane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Methoxychlor	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	GZ2
SW846/8081B	Toxaphene	< LOQ		ug/L	12.5	07/07/2022	GZ2
<i>This sample lacks a passing Endrin/DDT breakdown check; this renders the data for only chlordane and toxaphene suspect. DWM; 9/30/22</i>							
EPA8082A - PCBs in Water							
SW846/8082A	Aroclor 1016 (PCB-1016)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1221 (PCB-1221)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1232 (PCB-1232)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1242 (PCB-1242)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1248 (PCB-1248)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1254 (PCB-1254)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1260 (PCB-1260)	< LOQ		ug/L	0.50	07/07/2022	RH

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846/8082A	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	RH
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	72.3		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	22.3		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM
This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. DWM 9/26							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	1.29		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	6.80		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

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H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories
 NYS ELAP # 10108
 (914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11437

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	1.04		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	1.42		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	3.35		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

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EMAIL 9/30/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11437

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:

bicyclo[4.1.0]heptane,3,7,7-trimethyl-,[1s-(1a 9.84ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.

The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.

jc 8/24/22

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation (pH <2). This method deviation may render the data unsuitable for regulatory reporting purposes. DWM 9/26/22

8270D - AE/BN in water

SW846-8270D	1,2,4-Trichlorobenzene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,2-Dichlorobenzene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,3-Dichlorobenzene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,4-Dichlorobenzene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4,6-Trichlorophenol	< LOQ	ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dichlorophenol	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dimethylphenol	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrophenol	< LOQ	ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrotoluene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,6-Dinitrotoluene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chloronaphthalene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chlorophenol	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Methyl-4,6-dinitrophenol	< LOQ	ug/L	10	07/12/2022	GZ2
SW846-8270D	2-Nitrophenol	< LOQ	ug/L	10	07/12/2022	GZ2
SW846-8270D	3,3'-Dichlorobenzidine	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Bromophenylphenylether	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chloro-3-methylphenol	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chlorophenylphenylether	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Nitrophenol	< LOQ	ug/L	10	07/12/2022	GZ2
SW846-8270D	Acenaphthene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Acenaphthylene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Anthracene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Azobenzene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzidine	< LOQ	ug/L	10	07/12/2022	GZ2
SW846-8270D	Benzo(a)anthracene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(a)pyrene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(b)fluoranthene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(g,h,i)perylene	< LOQ	ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(k)fluoranthene	< LOQ	ug/L	5.0	07/12/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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Sample No. AY11437

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-8270D	Benzyl butyl phthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethoxy)methane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethyl)ether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Ethylhexyl)phthalate	184		ug/L	15	07/12/2022	GZ2
SW846-8270D	Chrysene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dibenzo(a,h)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Diethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dimethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-butylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-octylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluorene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobutadiene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorocyclopentadiene	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Hexachloroethane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Indeno(1,2,3-cd)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Isophorone	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Naphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Nitrobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodimethylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodi-n-propylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodiphenylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pentachlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Phenanthrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Phenol	5.15		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Prep. Method	3510c		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

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These analytical results relate only to the sample identified in this report.

Sample No. AY11437

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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The recovery for Benzidine in the LCS is below acceptable QC criteria. Established low bias on <LOQ results renders the analytical data suspect.

3&4-Methylphenol is present at 35.0 ug/L

The following tentatively identified compounds are present; the concentrations given are estimates (ug/L):

Benzeneacetic acid - 52.8
 n-Hexadecanoic acid - 147
 (Z)-6-Octadecenoic acid - 50.1
 Oleic acid - 61.2
 Octadecanoic acid - 217
 2-Butoxy ethanol phosphate (3:1) - 47.6
 (3.bet.,5.bet.)-Cholestan-3-ol - 134
 (3.bet.)-Cholest-5-en-3-ol - 100

MR 8/11/22

EPA 1664B	Oil & Grease Total Recoverable (HEM)	9.99	mg/L	5	07/11/2022	NM
EPA 1664B	non-Polar Extractable Material (TPH)	6.02	mg/L	2.5	07/11/2022	NM

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK
CROTON, NY 10520

Received By : JLM
Bottle No : S3340 C59 E3417 F393 H541
K6534+ I4787+

Collection Point : PS # 2 DUP

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/05/2022 AT 8:10:00AM

Agency : Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey

Submitted On : 07/05/2022 AT 11:00:00AM

PWS No. :

Type Descriptor : **Source ID :** 000
pH :

Free Cl2 : **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

addt'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	99.0		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	148		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	332		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	344		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Zinc	101		ug/L	80.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	72.8		mg/L	2	07/12/2022	9:19 am

Dilution water blank exceeds 0.2 mg/L KA 7-14-22

SM21-5210B	ASP BOD Set Date and Time	Completed		07/07/2022	8:18 am	MO
SW846-9012A	ASP Total Cyanide	0.007	mg/L	0.005	07/12/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ	ug/L	40	07/05/2022	3:07 pm

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Sample No. AY11438

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
EPA 9040C	Corrosivity/pH	7.55		Units	0.1	07/05/2022 3:37 pm	JLM
<p><i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJR</i></p>							
EPA 9065	Phenolics, Total Recoverable	0.241		mg/L	0.025	07/15/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
USGS I-3765-85	Total Suspended Solids	91.3		mg/L	2.0	07/11/2022	MO
Organics							
EPA8081B Pesticides - Water							
SW846/8081B	4,4-DDD	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	4,4-DDE	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	4,4-DDT	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	a-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	a-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Aldrin	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	b-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Chlordane	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	d-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Dieldrin	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endosulfan 1	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Endosulfan 2	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endosulfan sulfate	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin aldehyde	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin ketone	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	g-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor epoxide	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Lindane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Methoxychlor	2.94		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	GZ2
SW846/8081B	Toxaphene	< LOQ		ug/L	12.5	07/07/2022	GZ2
<p><i>This sample lacks a passing Endrin/DDT breakdown check; this renders the data for only chlordane and toxaphene suspect. DWM; 9/30/22</i></p>							
EPA8082A - PCBs in Water							
SW846/8082A	Aroclor 1016 (PCB-1016)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1221 (PCB-1221)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1232 (PCB-1232)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1242 (PCB-1242)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1248 (PCB-1248)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1254 (PCB-1254)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1260 (PCB-1260)	< LOQ		ug/L	0.50	07/07/2022	RH

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Approved By **Michele Matos**

QA Officer

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Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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Sample No. AY11438

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846/8082A	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	RH
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	80.9		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM
This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. DWM 9/26							
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	1.30		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	7.31		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

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Sample No. AY11438

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	1.05		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	1.41		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	3.37		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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Sample No. AY11438

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:

bicyclo[4.1.0]heptane,3,7,7-trimethyl-,[1s-(1a 9.00ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting.

The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and NELAC do not offer accreditation for these TIC list chemicals in the NPW matrix.

jc 8/24/22

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation (pH <2). This method deviation may render the data unsuitable for regulatory reporting purposes. DWM 9/26/22

8270D - AE/BN in water

SW846-8270D	1,2,4-Trichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,2-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,3-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,4-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4,6-Trichlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dichlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dimethylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,6-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chloronaphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Methyl-4,6-dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	3,3'-Dichlorobenzidine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Bromophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chloro-3-methylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chlorophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Acenaphthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Acenaphthylene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Azobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzidine	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Benzo(a)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(a)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(b)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(g,h,i)perylene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(k)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11438

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-8270D	Benzyl butyl phthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethoxy)methane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethyl)ether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Ethylhexyl)phthalate	616		ug/L	50	07/12/2022	GZ2
SW846-8270D	Chrysene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dibenzo(a,h)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Diethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dimethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-butylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-octylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluorene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobutadiene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorocyclopentadiene	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Hexachloroethane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Indeno(1,2,3-cd)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Isophorone	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Naphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Nitrobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodimethylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodi-n-propylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodiphenylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pentachlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Phenanthrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Phenol	5.18		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Prep. Method	3510c		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2

The recovery for Benzidine in the LCS is below acceptable QC criteria. Established low bias on <LOQ results renders the analytical data suspect.

3&4-Methylphenol is present at 33.5 ug/L

The following tentatively identified compounds are present; the concentrations given are estimates (ug/L):

1-Butoxy-2-propanol - 24.3
 n-Hexadecanoic acid - 158
 (E)-9-Octadecenoic acid - 65.9
 Octadecanoic acid - 247
 (Z)-13-Docosenamide - 24.4
 Epicholestanol - 162
 (3. β .)-Cholest-5-en-3-ol - 113

MR/GZ 8/11/22

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H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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These analytical results relate only to the sample identified in this report.

Sample No. AY11438

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 1664B	Oil & Grease Total Recoverable (HEM)	< LOQ		mg/L	5	07/11/2022	NM

NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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These analytical results relate only to the sample identified in this report.

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <i>Duval & Stey</i>	EQUIPMENT/METERS	ID #'S				
DATE/TIME <u>6/29/22 7:10</u>	TVA - 2020	<u>A3A4B2</u>				
WELL <u>RR - 1</u>	U - 10	707062				
WEATHER <u>Sunny</u>	SAMPLING DATA					
TYPE BASELINE	METHOD: <u>BAILER</u>	START TIME: <u>7:15</u>				
EVACUATION DATA		EVACUATION CHEMS				
WELL DIAMETER <u>2"</u>	TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH <u>27.05</u>		PP				
TOC <u>20.70</u> TOW	<u>7:15</u>	<u>1</u>	<u>7.90</u>	<u>0.763</u>	<u>32.6</u>	<u>16.87</u>
LENGTH OF COLUMN <u>6.65 x .16</u>	<u>7:20</u>	<u>2</u>	<u>7.11</u>	<u>1.04</u>	<u>34.0</u>	<u>16.81</u>
VOLUME <u>1.06 x 3</u>	<u>7:25</u>	<u>3</u>	<u>7.06</u>	<u>1.05</u>	<u>33.7</u>	<u>16.52</u>
EVAC. GALLONS <u>3.1</u>						
EVAC. METHOD <u>BAILER</u>	REAL TIME AIR MONITORING					
GALLONS REMOVED <u>3</u>	INSTR	BG	VH	HS	BZ	
STICK UP		—	—	—	—	
	FID	<u>5.0</u>	<u>6.3</u>	<u>6.7</u>	<u>5.0</u>	
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65).						
SAMPLING BOTTLES						
PP	B:	PP:	C:	B: <u>495, 666</u>		
C: 0120	CR:	D: <u>1740</u>		E: <u>3391</u>		
F: 8		G: <u>4874</u>		S: <u>3358</u>		
<u>EXP</u> K: 8755, 9167, 9085		K: <u>8158, 8501, 8376</u>		K:		
NOTES: <u>1,4 = 34, 31</u>						

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Duval & Stey		EQUIPMENT/METERS		ID #'S			
DATE/TIME	6/28/22 7:10		TVA - 2020		A3A4B2			
WELL	RR - 25		U - 10		707062			
WEATHER	Sunny		SAMPLING DATA					
TYPE	BASELINE		METHOD:		Bailee			
EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	2"		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	29.20			PP				
TOC	11.00	TOW	745	3	7.24	1.04	22.2	17.67
LENGTH OF COLUMN	18.45 x .16		800	6	6.90	107	291	16.29
VOLUME	2.9 x 3		815	9	7.06	1.06	47.6	17.42
EVAC. GALLONS	8.8							
EVAC. METHOD	BAILER		REAL TIME AIR MONITORING					
GALLONS REMOVED	9		INSTR	BG	VH	HS	BZ	
STICK UP			—	—	—	—	—	
			FID	10.5	11.6	11.6	11.6	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
 LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
 THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES					
PP	B:	PP:	C:	B: 1080, 7060	
C: 0114	CR:	D: 1205		E: 4038	
F: 384 <i>exp</i>		G: 5083		S: 3364	
K: 2187, 0288, 7758		K: 7124, 8517, 9088		K:	

NOTES:

1.4 = 28.32

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Stey & Duval		EQUIPMENT/METERS	ID #'S				
DATE/TIME	6/28/22 7:10		TVA - 2020	A3A4B2				
WELL	RR - 2D		U - 10	707062				
WEATHER	Sunny		SAMPLING DATA					
TYPE	BASELINE		METHOD:	Pump				
EVACUATION DATA			START TIME	7:15				
WELL DIAMETER	2"		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	57.75			PP				
TOC	9.80	TOW	7:15	8	7.46	0.879	9.1	18.62
LENGTH OF COLUMN	48.15 x .16		7:25	16	7.33	0.936	9.1	17.02
VOLUME	7.7 x 3		7:35	24	7.35	0.948	9.2	16.50
EVAC. GALLONS	23.11							
EVAC. METHOD	Pump		REAL TIME AIR MONITORING					
GALLONS REMOVED	24		INSTR	BG	VH	HS	BZ	
STICK UP			FID	13.0	13.7	12.7	10.6	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
 LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
 THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES

PP	B:	PP:	C:	B: 786; 738
C: 0205	CR:	D: 1527		E: 3472
F: 235		G: 4980		S: 3354
EXP K: 8884, 8757, 9084		K: 9107, 9074, 8615		K:

NOTES: $1.4 = 33, 35$

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Duval & Stey	EQUIPMENT/METERS	ID #'S		
DATE/TIME	6/28/22 9:50	TVA - 2020	A3A4B2		
WELL	RR-3	U - 10	707062		
WEATHER	Sunny	SAMPLING DATA			
TYPE	BASELINE	METHOD:	BaileR		
		START TIME:	10:00		
EVACUATION DATA		EVACUATION CHEMS			
WELL DIAMETER	2"	TIME	GALS	PH	COND
WELL DEPTH	26.88		PP		
TOC	11.90	10:05	3	7.58	0.934
LENGTH OF COLUMN	15.48 x .16	10:15	6	7.41	1.07
VOLUME	2.47 x 3	10:25	8	7.44	1.06
EVAC. GALLONS	7.43				
EVAC. METHOD	BaileR	REAL TIME AIR MONITORING			
GALLONS REMOVED	8	INSTR	BG	VH	HS
STICK UP		FID	10.6	N/A	10.4
					11.1
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)					
SAMPLING BOTTLES					
PP	B:	PP:	C:	B: 373, 1088	
C: 0128	CR:	D:	1366	E: 3352	
F: 170		G:	5014	S: 3362	
K: 6222, 7413 Exp		K: Exp	810, 1829	K: 0717, 2884	
NOTES: Exp	1, Y 30, 29				
PAGE: 1	OF: 1	SIGNATURE:	Richard A. Duval		

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Stey & Duval		EQUIPMENT/METERS		ID #'S			
DATE/TIME	6/28/22 900		TVA - 2020		A3A4B2			
WELL	RR - 4		U - 10		707062			
WEATHER	Sunny		SAMPLING DATA					
TYPE	BASELINE		METHOD: BAILER START TIME: 905					
EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	2"		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	15.85			PP				
TOC	8.00	TOW	905	1	7.24	0.563	61.5	20.74
LENGTH OF COLUMN	8.05 x .16		915	2.5	7.26	0.928	24.7	19.87
VOLUME	1.2 x 3		925	4	7.10	0.971	43.6	19.69
EVAC. GALLONS	3.8							
EVAC. METHOD	BAILER		REAL TIME AIR MONITORING					
GALLONS REMOVED	4		INSTR	BG	VH	HS	BZ	
STICK UP			FID	11.1	N/A	10.5	10.5	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65).

SAMPLING BOTTLES					
PP	B:	PP:	C:	B: 999,1246	
C: 0111	CR:	D: 1267		E: 3267	
F: 299	exp	G: 5114		S: 3348	
K: 8151,9101,7449		K: 8383,5227,4457		K:	

NOTES:

1.4 = 27, 26

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Duval & Stey	EQUIPMENT/METERS	ID #'S		
DATE/TIME	6/28/22 10:35	TVA - 2020	A3A4B2		
WELL	RR-5	U - 10	707062		
WEATHER	Sunny	SAMPLING DATA			
TYPE	BASELINE	METHOD:	BAILER		
		START TIME:	10:35		
EVACUATION DATA		EVACUATION CHEMS			
WELL DIAMETER	2"	TIME	CALS	PH	COND
WELL DEPTH	19.35		PP		
TOC H.70 TOW	11.50	10:40	1	7.42	0.908
LENGTH OF COLUMN	7.85 x .16	10:50	2.5	7.19	0.882
VOLUME	1.2 x 3	11:00	4	7.09	0.851
EVAC. GALLONS	3.7				19.0
EVAC. METHOD	BAILER	REAL TIME AIR MONITORING			
GALLONS REMOVED	4	INSTR	BG	VH	HS
STICK UP		—	—	—	—
		FID	9.1	8.9	8.9
					8.9

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
 LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
 THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES					
PP	B:	PP:	C:	B: 410, 1219	
C: 0133	CR:	D:	1590	E: 4114	
F: 113		G:	5069	S: 3356	
K: 8719 ^{Exp} , 8116 ^{Exp}		K:	8690, 9094	K: 5773, 7589	
NOTES:	1,4 25, 20				

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Stey & Duvall		EQUIPMENT/METERS		ID #'S			
DATE/TIME	6/29/22 845		TVA - 2020		A3A4B2			
WELL	RR-6		U - 10		707062			
WEATHER	Sunny		SAMPLING DATA					
TYPE	BASELINE		METHOD:		BAILER			
			START TIME:		845			
EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	2"		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	77.65			PP				
TOC	69.70	TOW	845	1	7.22	0.726	267	18.39
LENGTH OF COLUMN	8.25 x .16		900	2	7.59	0.712	65.1	18.41
VOLUME	1.82 x 3		915	4	7.25	0.737	22.2	18.51
EVAC. GALLONS	3.96							
EVAC. METHOD	BAILER		REAL TIME AIR MONITORING					
GALLONS REMOVED	4		INSTR	BG	VH	HS	BZ	
STICK UP			—	—	—	—	—	
			FID	3.0	—	3.0	3.1	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
 LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
 THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65).

SAMPLING BOTTLES

PP	B:	PP:	C:	B: 1291, 934
C: 0108	CR:	D: 1032		E: 4048
F: 694		G: 5156		S: 3361
EXP K: 8829, 8673, 4395		K: 9083, 0193, 8040		K:

NOTES:

$$1.4 = 15, 16$$

Richard A. Duvall

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Duval & Stoy		EQUIPMENT/METERS		ID #'S			
DATE/TIME	6/29/22 745		TVA - 2020		A3A4B2			
WELL	RR-7		U - 10		707062			
WEATHER	Sunny		SAMPLING DATA					
TYPE	BASELINE		METHOD:		BAILER			
		START TIME:		7:55				
EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	2"		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	75.80			PP	-	-	-	-
TOC	69.00	TOW	8:00	1	6.72	1.22	9.3	17.78
LENGTH OF COLUMN	7.1 X .16		8:10	2	6.84	1.29	14.7	17.32
VOLUME	1.1 X 3		8:20	4	6.77	1.27	10.2	17.19
EVAC. GALLONS	3.4							
EVAC. METHOD	BAILER		REAL TIME AIR MONITORING					
GALLONS REMOVED	4		INSTR	BG	VH	HS	BZ	
STICK UP			-	-	-	-	-	
			FID	3.9	3.8	3.8	3.8	
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)								
SAMPLING BOTTLES								
PP	B:	PP:	C:	B: 1257, 1098				
C: 1000	CR:	D: 1675		E: 4051				
F: 300		G: 4655		S: 3328				
EXP K: 8715, 8489, 4334		K: 8644, 1325, 7959		K:				

NOTES:

$1,4 = 24, 14$

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Duval & Stey		EQUIPMENT/METERS		ID #'S			
DATE/TIME	6/30/22 700		TVA - 2020		A3A4B2			
WELL	RFW-1 S		U - 10		707062			
WEATHER	Sunny		SAMPLING DATA					
TYPE	BASELINE		METHOD: BAiLER					
EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	2"		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	17.85			PP				
TOC	6.80	TOW	740	2	7.20	1.25	139	17.76
LENGTH OF COLUMN	11.25 x .16		745	4	7.33	110	17.8	17.46
VOLUME	1.8 x 3		750	6	7.18	1.10	57	17.97
EVAC. GALLONS	5.4							
EVAC. METHOD	BAiLER		REAL TIME AIR MONITORING					
GALLONS REMOVED	6		INSTR	BG	VH	HS	BZ	
STICK UP								
			FID	7.7	802	300		7.4
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65)								
SAMPLING BOTTLES								
PP	B:	PP:	C:	B: 1041; 444				
C: 0157	CR:	D: 0473		E: 3484				
F: 679 EXP K: 8417, 5595, 8092		G: 4965		S: 3341				
		K: 8647, 2433, 9093		K:				

NOTES:

1.4 = 18, 22

High turb even after 24 hrs

PAGE

OF

SIGNATURE:

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <i>Stey & Duvval</i>	EQUIPMENT/METERS					ID #'S
DATE/TIME <u>6/30/22 7:00</u>	TVA - 2020					<u>A3A4B2</u>
WELL <u>RFW-1D</u>	U - 10					707062
WEATHER <u>Sunny</u>	SAMPLING DATA					
TYPE <u>BASELINE</u>	METHOD: <u>Pump</u>					
	START TIME <u>7:30</u>					
EVACUATION DATA		EVACUATION CHEMS				
WELL DIAMETER <u>4"</u>	TIME	CALS	PH	COND	TURB	TEMP
WELL DEPTH <u>50.90</u>		PP				
TOC <u>2.50</u> TOW <u>2.00</u>	<u>7:30</u>	<u>32</u>	<u>7.35</u>	<u>11.1</u>	<u>292</u>	<u>18.04</u>
LENGTH OF COLUMN <u>48.9 x .65</u>	<u>8:30</u>	<u>64</u>	<u>7.43</u>	<u>11.5</u>	<u>17.8</u>	<u>17.46</u>
VOLUME <u>31.7 x 3</u>		<u>96</u>	<u>Well not recovering</u>			
EVAC. GALLONS <u>95.3</u>						<u>Sample taken when recovered</u>
EVAC. METHOD <u>Pump</u>	REAL TIME AIR MONITORING					
GALLONS REMOVED <u>96</u>	INSTR	BG	VH	HS	BZ	
STICK UP						
	FID	<u>7.6</u>	<u>1.93</u>	<u>1.83</u>	<u>9.9</u>	
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)						
SAMPLING BOTTLES						
PP	B:	PP:	C:	B: <u>592, 781</u>		
C: <u>0153</u>	CR:	D: <u>0842</u>		E: <u>3341</u>		
F: <u>376</u>		G: <u>5115</u>		S: <u>3365</u>		
K: <u>8130, 9019</u>		K: <u>3271, 9125</u> ^{EXP}		K: <u>8625, 6494</u> ^{EXP} _{Exp}		
NOTES:	<u>1, 4 36, 13</u>					
Well not recovering						
PAGE <u>1</u>	OF <u>1</u>	SIGNATURE: <u>Richard A. Duvval</u>				

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	<u>Stey & Duvall</u>		EQUIPMENT/METERS		ID #'S			
DATE/TIME	<u>6/30/22 930</u>		TVA - 2020		<u>A3A4B2</u>			
WELL	<u>RFW-2S</u>		U - 10		<u>707062</u>			
WEATHER	<u>Sunny</u>		SAMPLING DATA					
TYPE	BASELINE		METHOD: <u>BaileR</u>		START TIME: <u>945</u>			
EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>2"</u>		TIME	CALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>20.62</u>		<u>950</u>	<u>2</u>	<u>7.31</u>	<u>2.07</u>	<u>57.0</u>	<u>20.11</u>
TOC	<u>6.80</u>	TOW	<u>955</u>	<u>5</u>	<u>7.19</u>	<u>1.59</u>	<u>47.2</u>	<u>19.21</u>
LENGTH OF COLUMN	<u>14.32 x .16</u>		<u>1005</u>	<u>7</u>	<u>7.26</u>	<u>1.41</u>	<u>20.6</u>	<u>18.42</u>
VOLUME	<u>2.2 x 3</u>		REAL TIME AIR MONITORING					
EVAC. GALLONS	<u>6.8</u>		INSTR	BG	VH	HS	BZ	
EVAC. METHOD	<u>BaileR</u>		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	
GALLONS REMOVED	<u>7</u>		FID	<u>2.9</u>	<u>49.1</u>	<u>42.1</u>	<u>2.8</u>	
STICK UP								
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)								
SAMPLING BOTTLES								
PP	B:	PP:	C:	B: <u>977,113</u>				
C: <u>0143</u>	CR:	D: <u>5617</u>		E: <u>3386</u>				
F: <u>41</u>		G: <u>5011</u>		S: <u>3329</u>				
<u>EXP 8685;1846;8015</u>		K: <u>8363;6677;6324</u>		R:				
NOTES: <u>40,45</u>								
PAGE	/	OP	/	SIGNATURE: <u>Richard A. Duvall</u>				

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER Duval & Stey DATE/TIME 6/30/22 9:30 WELL RFW-2D WEATHER Sunny TYPE BASELINE	EQUIPMENT/METERS TVA - 2020 U - 10 SAMPLING DATA METHOD: Pump START TIME: 9:45	ID #'S A3A4B2 707062					
EVACUATION DATA		EVACUATION CHEMS					
WELL DIAMETER WELL DEPTH TOC 7.20 TOW LENGTH OF COLUMN VOLUME EVAC. GALLONS EVAC. METHOD GALLONS REMOVED STICK UP	4"	TIME	GALS	PH	COND	TURB	TEMP
	85.40	PP					
	6.90	10:15	51	7.22	1.96	11.0	17.81
	78.5 x .65	10:45	102	7.93	1.71	8.4	21.65
	51.0 x 3	11:00	153	7.39	1.68	8.7	22.33
REAL TIME AIR MONITORING							
	INSTR	BG	VH	HS	BZ		
	—	—	—	—	—		
	FID	2.8	9.0	9.0	2.8		
SAMPLING BOTTLES							
PP	B: 419, 813	PP:	C:	B: 419, 813			
C: 0121	CR:	D: 7298	E: 3295				
F: 286	G: 4907			S: 3331			
*EXP K 8708; 9154; 8707		K: 1348, 7505, 0746		K:			
NOTES: 39, 42							
PAGE: 1	OF: 1	SIGNATURE: <u>Richard A. Duval</u>					

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Stey & Duval		EQUIPMENT/METERS	ID #'S	
DATE/TIME	7/15 7/6/22		TVA - 2020	A3A4B2	
WELL	RFW-3D		U - 10	707062	
WEATHER	Partly Cloudy		SAMPLING DATA		
TYPE	BASELINE		METHOD:	Pump	
			START TIME	7/15	
EVACUATION DATA			EVACUATION CHEMS		
WELL DIAMETER	2"		TIME	GALS	PH
WELL DEPTH	95.50			PP	COND
TOC	5.40	TOW	735	14	1.14
LENGTH OF COLUMN	90.4 x .16		745	28	10.9
VOLUME	14.4 x 3		755	44	20.50
EVAC. GALLONS	43.3				20.14
EVAC. METHOD	Pump		REAL TIME AIR MONITORING		
GALLONS REMOVED	44		INSTR	BG	VH
STICK UP					HS
			FID	6.1	406
				252	6.2
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65).					
SAMPLING BOTTLES					
PP	B:	PP:	C:	B: 790, 982	
C: 0124	CR:	D: 1211		E: 4066	
F: 129		G: 4973		S: 3330	
#EXPK 8933, 8968, 8289		K: 8965, 8742, 8740		K:	
NOTES:	37, 38				
PAGE	OF	SIGNATURE: Richard A. Duval			

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Duval & Stey	EQUIPMENT/METERS	ID #'S		
DATE/TIME	7/6/22 810	TVA - 2020	A3A4B2		
WELL	RFW-4	U - 10	707062		
WEATHER	Sunny	SAMPLING DATA			
TYPE	BASELINE	METHOD:	BAILER		
		START TIME:	815		
EVACUATION DATA		EVACUATION CHEMS			
WELL DIAMETER	4"	TIME	CALS	PH	COND
WELL DEPTH	32.50	PP			
TOC	7.70 TOW	830	16	7.25	4.80
LENGTH OF COLUMN	25.25 x .65	845	32	7.27	4.90
VOLUME	16.4 x 3	855	49	6.91	5.26
EVAC. GALLONS	49.2				
EVAC. METHOD	BAILER	REAL TIME AIR MONITORING			
GALLONS REMOVED	49	INSTR	BG	VH	HS
STICK UP		—	—	—	—
		FID	3.2	56.3	20.7
					3.2
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65).					
SAMPLING BOTTLES					
PP	B:	PP:	C:	B: 462; 1016	
C: 0136	CR:	D:	1378	E: 3487	
F: 699		G:	4495	S: 3326	
K: K4122; 8491; 8627		K:	K2108; 2162; 2651	K:	
NOTES: 46, 41					
PAGE	1	OF	1	SIGNATURE: Richard A. Duval	

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Stey & Duval		EQUIPMENT/METERS		ID #'S			
DATE/TIME	7/6/22 9:10		TVA - 2020		A3A4B2			
WELL	RFW-SD		U - 10		707062			
WEATHER	Sunny		SAMPLING DATA					
TYPE	BASELINE		METHOD:		pump			
		START TIME:		9:20				
EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	4"		TIME	CALS	PH	COND	TURB	TEMP
WELL DEPTH	74.90			PP				
TOC	6.70	TOW	9:40	44	7.49	3.13	22.3	21.70
LENGTH OF COLUMN	68.6 x .65		10:30	88	7.36	3.25	14.5	21.18
VOLUME	44.5% 3		11:30	133	7.45	3.26	11.0	20.80
EVAC. GALLONS	133							
EVAC. METHOD	Pump		REAL TIME AIR MONITORING					
GALLONS REMOVED	133		INSTR	BG	VH	HS	BZ	
STICK UP								
			FID	2.3	1.8	2.0	7.3	
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65).								
SAMPLING BOTTLES								
PP	B:		PP:	C:		B: 246,654		
C: 0036	CR:		D: 7436			E: 3435		
F: 405			G: 5112			S: 3339		
K: EXP R8346;84PA;8313			K: 1962, 3812, 1513			K:		
NOTES: 43, 47								
PAGE	OF	1	SIGNATURE: Richard A Duval					

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Stey & Duval		EQUIPMENT/METERS	ID #'S	
DATE/TIME	7/7/22 720		TVA - 2020	A3A4B2	
WELL	RFV-6		U - 10	707062	
WEATHER	Partly Cloudy		SAMPLING DATA		
TYPE	BASELINE		METHOD:	BAILER	
EVACUATION DATA			EVACUATION CHEMS		
WELL DIAMETER	4"		TIME	GALS	PH
WELL DEPTH	63.50			PP	COND
TOC	53.50	TOW	725	4	9.9
LENGTH OF COLUMN	5.9 x .65		730	8	21.78
VOLUME	3.8 x 3		735	12	21.00
EVAC. GALLONS	11.5				21.18
EVAC. METHOD	BAILER		REAL TIME AIR MONITORING		
GALLONS REMOVED	12		INSTR	BG	VH
STICK UP					HS
			FID	6.4	N/A
				5.4	5.5
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65).					
SAMPLING BOTTLES					
PP	B:	PP:	C:	B: 1040, 902	
C: D118	CR:	D: 7306		E: 3433	
F: 55		G: 4836		S: 3351	
EXP K: 6894, 7744, 9050		K: 7759, 3066, 8372		K:	
NOTES: $1.4 = 44.65$					

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	<u>Stey & Duval</u>		EQUIPMENT/METERS		ID #'S			
DATE/TIME	<u>7/7/22 820</u>		TVA - 2020		<u>A3A4B2</u>			
WELL	<u>RFW-7S</u>		U - 10		<u>707062</u>			
WEATHER	<u>Sunny</u>		SAMPLING DATA					
TYPE	<u>BASELINE</u>		METHOD:		<u>BaileR</u>			
			START TIME:		<u>820</u>			
EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>2"</u>		TIME	CALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>17.50</u>			PP				
TOC	<u>9.80</u>	TOW	<u>8:25</u>	<u>1</u>	<u>7.77</u>	<u>0.63</u>	<u>147</u>	<u>18.87</u>
LENGTH OF COLUMN	<u>8.3 x .16</u>		<u>8:30</u>	<u>2.5</u>	<u>7.77</u>	<u>0.50</u>	<u>129</u>	<u>18.94</u>
VOLUME	<u>1.3 x 3</u>		<u>9:30</u>	<u>4</u>	<u>7.40</u>	<u>0.47</u>	<u>49.9</u>	<u>18.26</u>
EVAC. GALLONS	<u>3.9</u>							
EVAC. METHOD	<u>BaileR</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>4</u>		INSTR	BG	VH	HS	BZ	
STICK UP								
			FID	<u>3.2</u>	<u>3.2</u>	<u>3.2</u>	<u>3.1</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
 LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
 THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES					
PP	B:	PP:	C:	B: <u>1289, 425</u>	
C: <u>100Z</u>	CR:	D: <u>6998</u>	E: <u>3135</u>		
F: <u>425</u> <i>exp</i>	G: <u>5168</u>		S: <u>3327</u>		
K: <u>60754, 2014, 60675</u>	L: <u>7466, 8447, 2631</u>		K: <u></u>		

NOTES:

1,4 = 64, 67

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER DATE/TIME WELL WEATHER TYPE	Duval & Stey 7/7/82 8:30 RFW-70 Sunny BASELINE	EQUIPMENT/METERS TVA - 2020 U - 10	ID #'S A3A4B2 707062		
		SAMPLING DATA			
		METHOD: START TIME:	Pump 8:30 AM		
EVACUATION DATA		EVACUATION CHEMS			
WELL DIAMETER WELL DEPTH TOC LENGTH OF COLUMN VOLUME EVAC. GALLONS EVAC. METHOD GALLONS REMOVED STICK UP	4" 46.70 8.70 TOW 38.4 x .65 24.9 x 3 74.8 Pump 75	TIME PP 8:45 9:00 9:20	GALS PH 25 50 75 8.31 8.29 8.33 0.24 0.25 0.25 11.4 9.8 9.3 17.49 17.01 17.32	COND TURB 11.4 9.8 9.3 17.49 17.01 17.32	TEMP
		REAL TIME AIR MONITORING			
	INSTR —	BG —	VH —	HS —	BZ —
	FID 3.2		N/A	3.1	3.2
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)					
SAMPLING BOTTLES					
PP C: 0137 F: 245 Exp K: 6783, 6387, 6657	B: CR: G: 4755 K: 9003, 8572, 8626	PP: D: 1463 G: 4755 K: 9003, 8572, 8626	C: E: 3427 S: 3355 K:	B: 968, 414	
NOTES : <u>1,4 = 69,66</u>					
PAGE	1	OF	1	SIGNATURE : Richard A. Duval	

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <i>Duval & Stey</i>	EQUIPMENT/METERS			ID #'S	
DATE/TIME <i>7/7/22 10:00 AM</i>	TVA - 2020			<i>A3A4B2</i>	
WELL <i>RFW-8</i>	U - 10			707062	
WEATHER <i>SUNNY</i>	SAMPLING DATA				
TYPE <i>BASELINE</i>	METHOD: <i>Bailex</i>				
	START TIME: <i>10:00 AM</i>				
EVACUATION DATA		EVACUATION CHEMS			
WELL DIAMETER <i>4"</i>	TIME	GALS	PH	COND	TURB
WELL DEPTH <i>53.95</i>		PP			
TOC <i>49.30</i> TOW	<i>10:05</i>	<i>3.5</i>	<i>7.35</i>	<i>1.42</i>	<i>85.6</i>
LENGTH OF COLUMN <i>5.15 x .65</i>	<i>10:30</i>	<i>7</i>	<i>7.35</i>	<i>1.40</i>	<i>165</i>
VOLUME <i>3.34 x 3</i>	<i>10:00</i>	<i>10.0</i>	<i>7.38</i>	<i>1.37</i>	<i>38.0</i>
EVAC. GALLONS <i>10.0</i>					
EVAC. METHOD <i>Bailex</i>	REAL TIME AIR MONITORING				
GALLONS REMOVED <i>10</i>	INSTR	BG	VH	HS	BZ
STICK UP					
	FID	<i>2.2</i>	<i>2.2</i>	<i>2.2</i>	<i>2.2</i>
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65).					
SAMPLING BOTTLES					
PP	B:	PP:	C:	B: <i>988,1233</i>	
C: <i>1527</i>	CR:	D: <i>1490</i>		E: <i>3462</i>	
F: <i>123</i> <i>exp</i>		G: <i>5101</i>		S: <i>3352</i>	
K: <i>8502,8330,1601</i>		K: <i>8155,229,9072</i>		K:	
NOTES: <i>1,1 = 68,62</i>					

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER DATE/TIME WELL WEATHER TYPE	<u>Stey & Duval</u> <u>7/11/22 715</u> <u>RFW-105</u> <u>Sunny</u> <u>BASELINE</u>	EQUIPMENT/METERS TVA - 2020 U - 10	ID #'S <u>A3A4B2</u> <u>707062</u>				
		SAMPLING DATA					
		METHOD: <u>Bailez</u>	START TIME: <u>725</u>				
EVACUATION DATA		EVACUATION CHEMS					
WELL DIAMETER WELL DEPTH TOC 10.50 TOW	<u>2"</u> <u>17.95</u> <u>912.90</u>	TIME <u>725</u> <u>730</u> <u>735</u>	CALS <u>PP</u> <u>1.2</u> <u>2.4</u> <u>3.8</u>	PH <u>7.18</u> <u>7.18</u> <u>7.18</u>	COND <u>1.86</u> <u>1.92</u> <u>2.02</u>	TURB <u>133</u> <u>84.9</u> <u>50.9</u>	TEMP <u>20.25</u> <u>17.35</u> <u>16.88</u>
LENGTH OF COLUMN VOLUME EVAC. GALLONS EVAC. METHOD GALLONS REMOVED STICK UP	<u>8.05 x .16</u> <u>1.2 x 3</u> <u>3.8</u> <u>Bailez</u> <u>4</u>					REAL TIME AIR MONITORING	
		INSTR <u>—</u> <u>FID</u>	BG <u>—</u> <u>5.8</u>	VH <u>—</u> <u>4.6</u>	HS <u>—</u> <u>5.3</u>	BZ <u>—</u> <u>5.8</u>	
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65).							
SAMPLING BOTTLES							
PP C: 0079 F: 104 K: 61418, 6595, 6368	B: CR: G: K:	PP: D: 0975 E: 5046 S: 3347	C: E: K:	B: 324; 1278 E: 3350 K:			
NOTES : <u>1,4 = 50, 63</u>							
PAGE 1	OF 1	SIGNATURE: <u>Richard A. Duval</u>					

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Duval & Stey		EQUIPMENT/METERS	ID #'s	
DATE/TIME	7/11/22 7:15		TVA - 2020	A3A4B2	
WELL	RFW-100		U - 10	707062	
WEATHER	Sunny		SAMPLING DATA		
TYPE	BASELINE		METHOD:	Pump	
			START TIME:	7:20	
EVACUATION DATA			EVACUATION CHEMS		
WELL DIAMETER	4"		TIME	CALS	PH
WELL DEPTH	44.90		PP		
TOC	10.00	TOW	7:40	23	8.80
LENGTH OF COLUMN	35.9 x .65		7:50	46	0.475
VOLUME	23.3 x 3			70	11.5
EVAC. GALLONS	70				18.75
EVAC. METHOD	Pump		Took sample after 1 volume		
GALLONS REMOVED	70.25				
STICK UP					
REAL TIME AIR MONITORING					
INSTR	BG	VH	HS	BZ	
—	—	—	—	—	
FID	7.3	4.9	5.7	6.0	
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)					
SAMPLING BOTTLES					
PP	B:	PP:	C:	B: 694,702	
C: 0160	CR:	D: 1217		E: 3490	
F: 139		G: 5080		S: 3350	
K: 6508,2337,5540		K: 6819,6695,4074		K:	
NOTES:	1,4 = 52,51 Well not recovering took sample after 1 well/volume				
PAGE	1	OF	1	SIGNATURE: Richard A. Duval	

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	EQUIPMENT/METERS		ID #'S					
DATE/TIME	TVA - 2020		A3A4B2					
WELL	U - 10		707062					
WEATHER	SAMPLING DATA							
TYPE	METHOD: <u>BaileR</u> START TIME: <u>8 35</u>							
EVACUATION DATA		EVACUATION CHEMS						
WELL DIAMETER	<u>2"</u>		TIME	CALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>11.45</u>			PP				
TOC	<u>7.40</u>	TOW	<u>840</u>	<u>1.2</u>	<u>7.61</u>	<u>0.528</u>	<u>287</u>	<u>21.09</u>
LENGTH OF COLUMN	<u>7.65 x .16</u>		<u>855</u>	<u>2.4</u>	<u>7.39</u>	<u>0.800</u>	<u>129</u>	<u>21.11</u>
VOLUME	<u>1.2 x 3</u>		<u>910</u>	<u>3.6</u>	<u>7.47</u>	<u>0.854</u>	<u>36.2</u>	<u>20.85</u>
EVAC. GALLONS	<u>3.6</u>							
EVAC. METHOD	REAL TIME AIR MONITORING							
GALLONS REMOVED	<u>4</u>		INSTR	BG	VH	HS	BZ	
STICK UP								
			FID	<u>3.2</u>	<u>N/A</u>	<u>1013</u>	<u>3.9</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
 LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
 THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65).

SAMPLING BOTTLES

PP	B:	PP:	C:	B: <u>665,1067</u>
C: <u>1521</u>	CR:	D: <u>7695</u>	E: <u>3134</u>	
F: <u>656</u>		G: <u>4674</u>	S: <u>3346</u>	
EXP K: <u>6329,6655,6619</u>		K: <u>9052,6767,7244</u>	K:	

NOTES:

$$1,4 = 55,58$$

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Duval & Stey		EQUIPMENT/METERS	ID #'S	
DATE/TIME	7/11/22 830		TVA - 2020	A3A4B2	
WELL	RFw-11D		U - 10	707062	
WEATHER	Sunny		SAMPLING DATA		
TYPE	BASELINE		METHOD:	Pump	
EVACUATION DATA			START TIME:	830	
WELL DIAMETER	4"		EVACUATION CHEMS		
WELL DEPTH	75.85		TIME	GALS	PH
TOC	4.00	TOW	840	46	7.08
LENGTH OF COLUMN	72.05 ^x .65		925	92	7.03
VOLUME	46.8 ^x 3		945	140	7.33
EVAC. GALLONS	140				4.54
EVAC. METHOD	Pump				7.9
GALLONS REMOVED	140				19.71
STICK UP					
REAL TIME AIR MONITORING					
INSTR	BG	VH	HS	BZ	
—	—	—	—	—	
FID	3.2	N/A	3.7	3.2	
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)					
SAMPLING BOTTLES					
PP	B:	PP:	C:	B: 647,585	
C: 0103	CR:	D: 7292		E: 3315	
F: 622		G: 5041		S: 3336	
EXP K: 1894, 6722, 8997		K: 1516, 8371, 8906		K:	
NOTES: 1,4 = 53,54					
PAGE: 1	OF: 1	SIGNATURE: <i>Richard A. Duval</i>			

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Duval & Stey		EQUIPMENT/METERS		ID #'s			
DATE/TIME	7/11/22 950		TVA - 2020		A3A4B2			
WELL	RFW-12S		U - 10		707062			
WEATHER	Sunny		SAMPLING DATA					
TYPE	BASELINE		METHOD:		BAILER			
EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	2"		TIME	CALS	PH	COND	TURB	TEMP
WELL DEPTH	15.90			PP				
TOC	5.90	TOW	1010	1.7	7.65	0.401	107	22.38
LENGTH OF COLUMN	11.1 x .16		1015	3.4	7.56	0.377	67.4	19.08
VOLUME	1.77 x 3		1020	5.3	7.59	0.367	28.6	18.88
EVAC. GALLONS	5.3							
EVAC. METHOD	BAILER		REAL TIME AIR MONITORING					
GALLONS REMOVED	5.5		INSTR	BG	VH	HS	BZ	
STICK UP			—	—	—	—	—	
			FID	2.5	N/A	4.4	2.3	
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65).								
SAMPLING BOTTLES								
PP	B:	PP:	C:	B: 426; 270				
C: 0122	CR:	D: 5000		E: 4112				
F: 11		G: 4890		S: 3337				
EXP: K: 6716, 6376, 2177		K: 8320, 6964, 8072		K:				
NOTES: 1,4 = 56, 57								
PAGE	OF	SIGNATURE: Richard A. Duval						

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	<u>Stey & Duval</u>		EQUIPMENT/METERS		ID #'s			
DATE/TIME	<u>7/1/22 950</u>		TVA - 2020		<u>A3A4B2</u>			
WELL	<u>RFW-120</u>		U - 10		707062			
WEATHER	<u>Sunny</u>		SAMPLING DATA					
TYPE	<u>Baseline</u>		METHOD:		<u>Pump</u>			
			START TIME:		<u>950</u>			
EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>4"</u>		TIME	CALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>45.90</u>			PP				
TOC	<u>5.4</u>	TOW	<u>1005</u>	27	7.45	1.72	17.5	19.39
LENGTH OF COLUMN	<u>41.5 x .65</u>		<u>1030</u>	54	7.92	0.398	75.9	18.72
VOLUME	<u>26.9 x 3</u>		<u>1055</u>	81	7.50	1.39	11.0	18.40
EVAC. GALLONS	<u>80.9</u>							
EVAC. METHOD	<u>Pump</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>81</u>		INSTR	BG	VH	HS	BZ	
STICK UP								
			FID	2.4	N/A	2.1	2.4	
FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH. LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE. THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65).								
SAMPLING BOTTLES								
PP	B:	PP:	C:	B: <u>784,574</u>				
C: 0150	CR:	D: <u>7236</u>		E: <u>3292</u>				
F: 621		G: <u>6121</u>		S: <u>3324</u>				
EXP K: 6730,6721,6439		K: <u>6371,2152,6735</u>		K:				
NOTES : <u>1,4 = 59,60</u>								
PAGE	OF		SIGNATURE:	<u>Richard A. Duval</u>				

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 7/5/22

Project No.

Stey & Duval

Equipment/Meters

ID #'S

Weather/Temp

Cloudy 75°

Sample Location I.D.

Beach Right SRF-2A

Sample Type

Baseline

Sample No.

Site Description

Notes

S3353, B1251, B944, C0996, D1107, E4033, F331, G5010,
EXP K 7408, EXP K 7414, EXP K 9138, K6119, K6713, K8198,
3, 6

Tidal Status: High @

Low @

Current

Direction of Surface Water Flow

Description of water (color, odor, etc)

No Odor, clearish

Approximate depth to bottom

3 ft

Time	METER READINGS					
	Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb
900	26.62	9.16	8.42			25.3

Comments

Sampler Signature

Richard A. Duval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 7/5/22

Project No	Equipment/Meters	ID #'s
Sampler(s)	Duvall & Stey	
Weather/Temp	Cloudy 75°	
Sample Location ID	Beach Left SRF-2B	
Sample Type	BASELINE	
Sample No		

Site Description

Notes

S 3360, B1256, B7775, C0126, D1188, E3183, F283, G5009,
 EXP K0105, K7518, K8501, K6374, K6858, K2396, 12, 9
 exp exp

Tidal Status: High @

Low @

Current

Direction of Surface Water Flow

Description of water (color, odor, etc)

No Odor, clearish

Approximate depth to bottom

3 ft

Time	METER READINGS					
	Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb
915	26.71	9.07	8.39			25.7

Comments

Sampler Signature

Richard A. Duvall

LEACHATE SAMPLING FIELD DATA SHEET

Project No.

Sampler(S)

Weather/Temp

Sample Location I.D.

Date/Time

Sample Type

Sample No.

Site Description:

Equipment/Meters

ID#'s

Stay e. Duval

BB Sump #1

BS #32 Leachate

7:30

7/3/22

BASELINE

Notes: C0146, C3246, F714, H724, S3342, EXPK6755, 6331, 6540, K1043, 6753, 6653,
I-4783, 4776, 4750, 4629, 4691, 4428, 4497, 409, 284

Condition of wet well (defects, level, swell, etc...) No defects found

Describe Leachate (color, foam, etc...) Yellow & little to no foam

Estimate flow in each incoming pipe (as possible) No flow visible

METER READINGS

Time	TVA	PHW							
7:30	BZ	HS	8Z						
FID	9.0	5.7	6.3						

Comments:

Sampler Signature/Date:

LEACHATE SAMPLING FIELD DATA SHEET

Project No.	Equipment/Meters	ID#'s
Sampler(S)	Duval & Stey	
Weather/Temp	Cloudy 72°	
Sample Location I.D.	RR Samp #1 Leachate Duplicate	
Date/Time	7:30 7/5/22	
Sample Type	Baseline	
Sample No.		
Site Description:		

Notes: C016, E3274, F305, H404, S3335, QPK6746, 6553, 64165, K8269, 7796, 8704
I4800, 363, 4504, 274, 4719, 4546, 4862, 4454, 4869

Condition of wet well (defects, level, swell, etc...) No defects found

Describe Leachate (color, foam, etc...) yellow & little to no foam

Estimate flow in each incoming pipe (as possible) No flow visible

METER READINGS

Time	SWA	TNNL								
7:30	BZ	HS	BZ							
FID	9.0	5.7	6.3							

Comments:

Sampler Signature/Date:

LEACHATE SAMPLING FIELD DATA SHEET

Project No.

Sampler(S)

Weather/Temp

Sample Location I.D.

Date/Time

Sample Type

Sample No.

Site Description:

Equipment/Meters

ID#'s

Stey & Duval

Cloudy 45°

P.S. #2

7/6/22 8:10

Baseline leachate

Notes: L0700, E4018, F683, H268, S3343, ExDKL733, 16830, 1739, K2676, 16748,
5601, I 4767, 4718, 4661, 4741, 4724, 4498, 4797, 4439, 4856

Condition of wet well (defects, level, swell, etc...) No defects

Describe Leachate (color, foam, etc...) Heavy odor, Dark, sludge

Estimate flow in each incoming pipe (as possible) Heavy flow, pumps on

METER READINGS

Time	OVA	FINAL								
8:00	B2	H5	B2							
FID	9.9	38.7	6.6							

Comments:

Sampler Signature/Date:

LEACHATE SAMPLING FIELD DATA SHEET

Project No.

Sampler(S)

Weather/Temp

Sample Location I.D.

Date/Time

Sample Type

Sample No.

Site Description:

Equipment/Meters

ID#'s

Duval & Stey

Cloudy 75°

P.S. #02 Duplicate

7/5/22 9am

Bottle type Leachate

Notes: C0059, C3417, F393, H541, S3340, EXP K16764, 7086, S100, K100, 16534, 0461, I4787,
48316, 1116, 4744, 4575, 4721, 4772, 401, 4478

Condition of wet well (defects, level, swell, etc...) No defects

Describe Leachate (color, foam, etc...) Heavy Odor, Dark sludge

Estimate flow in each incoming pipe (as possible) Heavy flow, pumps on

METER READINGS

Time	SVA	HNR									
8:00	BZ	HS	BZ								
FID	9.9	38.7	6.6								

Comments:

Sampler Signature/Date:

Page 1 of 1

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 7/13/22

Project No.

Equipment/Meters

ID #'s

Sampler(s) Stey & DuvalWeather/Temp Sunny 85°Sample Location I.D. Tellers Point Left SRF-1BSample Type Baseline

Sample No.

Site Description

Notes

S3334, B534, B1099, C1001, D1026, B4011, F640, G5178,
EXP K7592, EXP K8956, EXP K8267, K7058, K6545, K6388, 11, 10Tidal Status: High @ 9:32

Low @ _____

Current _____

Direction of Surface Water Flow yellow, Oily

Description of water (color, odor, etc.)

Approximate depth to bottom 3 ft

METER READINGS							
Time		Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb
<u>9:05</u>		<u>26.01</u>	<u>14.1</u>	<u>7.46</u>			<u>22.0</u>

Comments

Sampler Signature

Ricard A. Duval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 7/13/22

Project No.

Equipment/Meters

ID #'s

Sampler(s) Duval & Stay

Weather/Temp

Sunny 85°

Sample Location ID

Tellers Point Right SRF-1A

Sample Type

Baseline

Sample No.

Site Description

Notes: S 3345, B 1085, B 1090, C 0100, D 1349, E 4119, F 209, G 5004,
 EXP K 7556, EXP K 9114, EXP K 8969, K 8972, K 7055, K 1581,
 5, 08

Tidal Status: High @ 9:32

Low @ _____

Current _____

Direction of Surface Water Flow yellow, odor less

Description of water (color, odor, etc.)

Approximate depth to bottom

3 ft

METER READINGS								
Time			Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb
9:00			26.22	14.1	8.18			21.4

Comments

Sampler Signature

Richard A. Duval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 7/13/22

Project No.

Sampler(s) Duval & Stey

Equipment/Meters

ID #'s

Weather/Temp

Sunny 85°

Sample Location ID

MASH Left SRF-3B

Sample Type

Baseline

Sample No.

Site Description

Notes S 3325, B 715, B 1036, C 0138, D 1311, E 4058
F 697, G 4823, EXP K 7849, 8908, 0176, K 6620, 5123, 8517,
02, 01

Tidal Status: High @ 932

Low @

Current

Direction of Surface Water Flow

Description of water (color, odor, etc)

Yellow, Odorless

Approximate depth to bottom

METER READINGS							
Time		Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb
<u>915</u>		<u>25.89</u>	<u>14.3</u>	<u>7.51</u>			<u>21.9</u>

Comments

Sampler Signature

Richard A. Duval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 7/13/22

Project No.

Equipment/Meters

1085

Sampler(s): Stey & Duval

Weather/Temp Sunny 85°

Sample Location ID: MARSH Right SRF-3A

Sample Type Baseline

Sample No

Site Description

Notes S3332, B187, B127, C0129, D0669, E3489, F312, G4653
EXP K8392, EXP K8502, EXP K8484, K5805, K8910, K7429
4, 7

Tidal Status: High @ 932

LOW Q

Cutter

Direction of Surface Water Flow

Yellow, Odorless

Description of water (color, odor, etc.)

Approximate depth to
bottom

3ft

Comments

Sampler Signature

Richard A. Durval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 6/29/22

Project No.

Equipment/Meters

108

Sampler(s): Stay è Duval

Weather/Temp Sunny 80°

Sample Location ID: Surface RR Left

Sample Type

2000-01-02

Site Descriptions

Notes S3357, B430, B842, GS111, E4107, F232, D0075,
C0104, K8697, K8175, K0379, K6623, K678, K2682
19, 17 Exp, Exp, Exp

Tidal Status: High @

Low @

Current

Direction of Surface Water Flow

yellow, no odor

Description of water (color, odor, etc)

Approximate depth to bottom

Comments

Sampler Signature

Richard A. Duval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 12/29/22

Project No.

Equipment/Meters

10 65

Sampler(s): Duval & Stey

Weather/Temp Sunny 80°

Sample Location I.D. Surface RR Right

Sample Type base line

Sample No.

Sample No

Site Description

Notes B791, B1243, C0106, D7451, E3269, F325, G5107, S3323
EXP K8925, EXP K6993, EXP K8463, K6591, K8936, K6608
21, 23

Tidal Status: High @

LOW @

Current

Direction of Surface Water Flow Yellow No odor

Description of water (color, odor, etc.)

Approximate depth to bottom

Comments

Sampler Signature

Richard G. Devall