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

POST CLOSURE MONITORING AND SAMPLING REPORT

*Fifth Quarter Reporting*  
October – December 2018  
February – March 2020  
May 2021

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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 on:

- a. October 30, 2019, through December 5, 2019;
- b. February 27, 2020, through March 12, 2020; and
- c. May 4, 2021, through May 25, 2021.

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

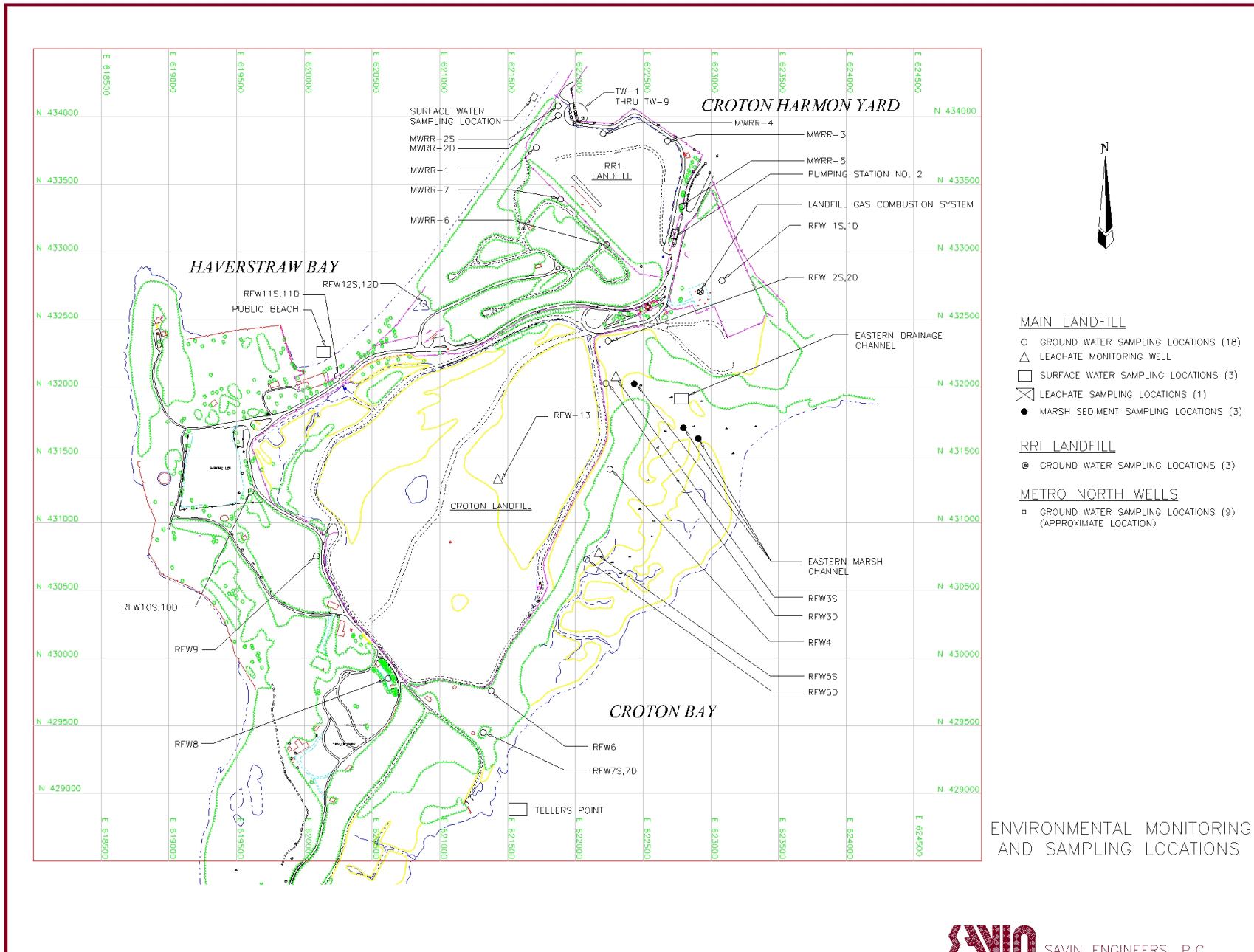
The sampling and laboratory analysis presented herein were conducted as described in the Environmental Monitoring Program section of both the Croton Point Sanitary Landfill Operation and Maintenance Manual and the Railroad 1 Landfill Operation and Maintenance Manual. The Westchester County Bureau of 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.

*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. 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.

Note: Due to the time of year that the 5<sup>th</sup> Quarter Sampling occurred, frozen conditions prevented the collection of the 2020 Soil and Marsh Samples.

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 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.

Note: This data is not yet available for 2021 to coincide with the May 2021 sampling period.

#### **VIII. Recommendations for Modifications to Sampling Protocol**

None at this time.

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-1D</b>	<b>RFW-1D</b>	<b>RFW-1D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/6/2021</b>
Diameter (Inches):			4"	4"	4"
Well Depth, Tow (ft.):			50.90'	50.90'	50.90'
Depth to Water, Tow (ft.)			1.25'	1.2'	1.60'
Water Level Elevation (ft.):			49.65'	49.7'	49.3'
TOC - TOW (ft.):			1.60'-1.25'	1.5'-1.2'	1.1'-1.6'
Boron	100	ug/L	<LOQ	880	962
Calcium	1000	ug/L	190000	147000	165000
Iron	50	ug/L	1880	1650	2210
Magnesium	1000	ug/L	422000	334000	379000
Potassium	100	ug/L	79000	117000	141000
Sodium	1000	ug/L	188000	1500000	1910000
Aluminum	50	ug/L	111	70.7	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	87	78.4	98.3
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	92.1	89.7
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	1610	1580	1670
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	35.3	21.3	23
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	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	<LOQ	16	4.4
Asp Calcium by ICP-AES	1000	ug/L	190000	147000	165000
Chloride - ASP	5	mg/L	115	98	3780
ASP Total Cyanide	0.01	mg/L	0.023	0.034	0.018
Chemical Oxygen Demand	5	mg/L	250	240	270
Color, Apparent	1	units	50	20	70
ASP Hardness as Calcium Carbonate	1	mg/L	2200	1700	2000
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	0.5	<LOQ	0.224

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-1D</b>	<b>RFW-1D</b>	<b>RFW-1D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/6/2021</b>
ASP Magnesium	1000	ug/L	422000	33400	379000
Ammonia as N	0.05	mg/L	73.9	88.1	87.2
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	units	7.28	7.33	7.24
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.013	0.01
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	1.46	1.89	1.46
Total Dissolved Solids	2	mg/L	8100	6370	7500
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	110	102	110
Total Organic Carbon	0.1	mg/L as C	30.5	14.8	6.61
Turbidity	0.02	NTU	4.82	1.32	27
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-dichloropropane	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



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<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/6/2021</b>
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
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

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<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-1D</b>	<b>RFW-1D</b>	<b>RFW-1D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/6/2021</b>
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 1(RFW-1S): Groundwater

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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-1S</b>	<b>RFW-1S</b>	<b>RFW-1S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/6/2021</b>
ASP Magnesium	1000	ug/L	48500	39500	45300
Ammonia as N	0.05	mg/L	13.2	13.3	12.9
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	units	6.9	6.94	6.79
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.007	Not Detected
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	<LOQ	1.57	1.48
Total Dissolved Solids	2	mg/L	786.7	724	752
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	18.4	19.2	16.9
Total Organic Carbon	0.1	mg/L as C	17.5	13.3	7.13
Turbidity	0.02	NTU	17.9	18.6	332
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	59.8	137
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-dichloropropane	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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-1S</b>	<b>RFW-1S</b>	<b>RFW-1S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/6/2021</b>
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
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	0.31	<LOQ	<LOQ
Methlene 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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-1S</b>	<b>RFW-1S</b>	<b>RFW-1S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/6/2021</b>
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 1(RFW-2D): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-2D</b>	<b>RFW-2D</b>	<b>RFW-2D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/10/2021</b>
Diameter (Inches):			4"	4"	4"
Well Depth, Tow (ft.):			85.40'	85.40'	85.40'
Depth to Water, Tow (ft.)			6.50'	6.4'	6.8'
Water Level Elevation (ft.):			78.9'	79'	78.6'
TOC - TOW (ft.):			6.90'-6.50'	6.8'-6.4'	7.2'-6.8'
Boron	100	ug/L	<LOQ	96.1	86.8
Calcium	1000	ug/L	112000	120000	132000
Iron	50	ug/L	6890	7100	8470
Magnesium	1000	ug/L	41500	44500	49600
Potassium	100	ug/L	9750	11700	11400
Sodium	1000	ug/L	186000	192000	188000
Aluminum	50	ug/L	<LOQ	<LOQ	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	343	379	430
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	590	673	718
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	456	460	465
BioChemical Oxygen Demand	2	mg/L	<LOQ	3.4	3.7
Asp Calcium by ICP-AES	1000	ug/L	112000	120000	132000
Chloride - ASP	5	mg/L	415	390	420
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.005
Chemical Oxygen Demand	5	mg/L	18	23	27
Color, Apparent	1	units	25	15	350
ASP Hardness as Calcium Carbonate	1	mg/L	450	480	530
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-2D</b>	<b>RFW-2D</b>	<b>RFW-2D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/10/2021</b>
ASP Magnesium	1000	ug/L	41500	44500	49600
Ammonia as N	0.05	mg/L	4.18	7.5	6.15
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	0.0188
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	1.57
Corrosivity/pH	0.1	units	7.27	7.15	6.98
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.004	Not Detected
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	<LOQ	<LOQ	<LOQ
Total Dissolved Solids	2	mg/L	1152	930	1156
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	4.97	5.46	6.9
Total Organic Carbon	0.1	mg/L as C	2	1.94	1.83
Turbidity	0.02	NTU	8.91	4.23	142
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-dichloropropane	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



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-2D</b>	<b>RFW-2D</b>	<b>RFW-2D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/10/2021</b>
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	0.28	<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	1.01	1.07	<LOQ
Methlene 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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-2D</b>	<b>RFW-2D</b>	<b>RFW-2D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/10/2021</b>
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 1(RFW-2S): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-2S</b>	<b>RFW-2S</b>	<b>RFW-2S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/10/2021</b>
Diameter (Inches):			2"	2"	2"
Well Depth, Tow (ft.):			20.62'	20.62'	20.62'
Depth to Water, Tow (ft.)			5.55'	5.0'	7'
Water Level Elevation (ft.):			15.07'	15'	13.62'
TOC - TOW (ft.):			6.00'-5.55'	5.4'-5.0'	7.5'-7'
Boron	100	ug/L	671	518	486
Calcium	1000	ug/L	44400	52900	65300
Iron	50	ug/L	6730	11700	14800
Magnesium	1000	ug/L	27400	28100	32400
Potassium	100	ug/L	49400	40300	37100
Sodium	1000	ug/L	136000	119000	97700
Aluminum	50	ug/L	517	57.1	590
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	54.3	92.2	83.7
Barium	10	ug/L	334	381	401
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	73.4	49	131
Nickel	10	ug/L	19.3	13.4	14.5
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	5.4	9.4	25.4
Asp Calcium by ICP-AES	1000	ug/L	44400	52900	65300
Chloride - ASP	5	mg/L	352	144	145
ASP Total Cyanide	0.01	mg/L	0.019	0.028	0.019
Chemical Oxygen Demand	5	mg/L	102	92	113
Color, Apparent	1	units	25	25	400
ASP Hardness as Calcium Carbonate	1	mg/L	220	250	300
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-2S</b>	<b>RFW-2S</b>	<b>RFW-2S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/10/2021</b>
ASP Magnesium	1000	ug/L	27400	28100	32400
Ammonia as N	0.05	mg/L	93.2	82.1	100
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	units	7.34	7.33	7.02
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.005	0.008
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	<LOQ	<LOQ	<LOQ
Total Dissolved Solids	2	mg/L	872	741	769.3
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	117	90.5	111
Total Organic Carbon	0.1	mg/L as C	35.6	36.1	27.4
Turbidity	0.02	NTU	17	11.2	376
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	5.43	<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-dichloropropane	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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-2S</b>	<b>RFW-2S</b>	<b>RFW-2S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/10/2021</b>
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	0.35
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
Methlene 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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-2S</b>	<b>RFW-2S</b>	<b>RFW-2S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/1/2018</b>	<b>3/4/2020</b>	<b>5/10/2021</b>
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 1(RFW-3D): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-3D</b>	<b>RFW-3D</b>	<b>RFW-3D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/7/2018</b>	<b>3/5/2020</b>	<b>5/10/2021</b>
Diameter (Inches):			2"	2"	2"
Well Depth, Tow (ft.):			95.50'	95.50'	95.50'
Depth to Water, Tow (ft.)			4.90'	5.1'	5.30'
Water Level Elevation (ft.):			90.6'	90.4'	90.2'
TOC - TOW (ft.):			5.10'-4.90'	5.2'-5.1'	5.5'-5.3'
Boron	100	ug/L	<LOQ	95.6	90.7
Calcium	1000	ug/L	57000	65500	71200
Iron	50	ug/L	6110	6080	6410
Magnesium	1000	ug/L	27000	28200	29400
Potassium	100	ug/L	9280	10000	9630
Sodium	1000	ug/L	105000	98500	90900
Aluminum	50	ug/L	<LOQ	<LOQ	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	60.1	89.4	86.5
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	257	334	352
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	274	280	275
BioChemical Oxygen Demand	2	mg/L	3.4	<LOQ	3.4
Asp Calcium by ICP-AES	1000	ug/L	57000	65500	71200
Chloride - ASP	5	mg/L	220	210	220
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	<LOQ	15	27
Color, Apparent	1	units	30	10	50
ASP Hardness as Calcium Carbonate	1	mg/L	250	280	300
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-3D</b>	<b>RFW-3D</b>	<b>RFW-3D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/7/2018</b>	<b>3/5/2020</b>	<b>5/10/2021</b>
ASP Magnesium	1000	ug/L	27000	28200	29400
Ammonia as N	0.05	mg/L	5.73	4.46	4.06
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	0.0197
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	units	7.13	7.15	6.99
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	Not Detected
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	<LOQ	<LOQ	<LOQ
Total Dissolved Solids	2	mg/L	632	576	654
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	5.99	4.76	5.29
Total Organic Carbon	0.1	mg/L as C	154	1.17	1.46
Turbidity	0.02	NTU	16.9	5.94	75.8
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-dichloropropane	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



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-3D</b>	<b>RFW-3D</b>	<b>RFW-3D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/7/2018</b>	<b>3/5/2020</b>	<b>5/10/2021</b>
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
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	1.4	<LOQ
Methlene 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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-3D</b>	<b>RFW-3D</b>	<b>RFW-3D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/7/2018</b>	<b>3/5/2020</b>	<b>5/10/2021</b>
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 1(RFW-4): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-4</b>	<b>RFW-4</b>	<b>RFW-4</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/7/2018</b>	<b>3/5/2020</b>	<b>5/10/2021</b>
Diameter (Inches):			4"	4"	4"
Well Depth, Tow (ft.):			80.50'	32.50'	80.50'
Depth to Water, Tow (ft.)			6.90'	7.4'	7.40'
Water Level Elevation (ft.):			74'	25.1'	25.1'
TOC - TOW (ft.):			7.50'-6.90'	7.8'-7.4'	7.8'-7.4'
Boron	100	ug/L	660	663	608
Calcium	1000	ug/L	80300	75000	69600
Iron	50	ug/L	13000	14200	24400
Magnesium	1000	ug/L	123000	115000	106000
Potassium	100	ug/L	58000	61300	56100
Sodium	1000	ug/L	859000	774000	774000
Aluminum	50	ug/L	<LOQ	<LOQ	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	330	414	580
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	87
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	492	588	533
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	9.6	6.8	4.4
Asp Calcium by ICP-AES	1000	ug/L	80300	75000	69600
Chloride - ASP	5	mg/L	1500	1400	1300
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.01
Chemical Oxygen Demand	5	mg/L	71	68	67
Color, Apparent	1	units	20	15	200
ASP Hardness as Calcium Carbonate	1	mg/L	710	660	610
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-4</b>	<b>RFW-4</b>	<b>RFW-4</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/7/2018</b>	<b>3/5/2020</b>	<b>5/10/2021</b>
ASP Magnesium	1000	ug/L	123000	115000	106000
Ammonia as N	0.05	mg/L	28.1	24.9	25.2
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	0.0517
Corrosivity/pH	0.1	units	6.65	6.82	6.99
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.004	0.013
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	<LOQ	<LOQ	<LOQ
Total Dissolved Solids	2	mg/L	3288	2988	2868
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	31.6	29.7	29.4
Total Organic Carbon	0.1	mg/L as C	4.32	5.1	3.29
Turbidity	0.02	NTU	36.4	5.9	160
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	4.03	<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-dichloropropane	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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-4</b>	<b>RFW-4</b>	<b>RFW-4</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/7/2018</b>	<b>3/5/2020</b>	<b>5/10/2021</b>
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
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	2.14	<LOQ	<LOQ
Methlene 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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-4</b>	<b>RFW-4</b>	<b>RFW-4</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/7/2018</b>	<b>3/5/2020</b>	<b>5/10/2021</b>
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 1(RFW-5D): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-5D</b>	<b>RFW-5D</b>	<b>RFW-5D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/7/2018</b>	<b>3/5/2020</b>	<b>5/12/2021</b>
Diameter (Inches):			4"	4"	4"
Well Depth, Tow (ft.):			74.90'	74.90'	74.90'
Depth to Water, Tow (ft.)			8.00'	8.1'	7.8'
Water Level Elevation (ft.):			66.90'	66.8'	67.1'
TOC - TOW (ft.):			8.42'-8.00'	8.5'-8.1'	8.2'-7.8'
Boron	100	ug/L	312	391	340
Calcium	1000	ug/L	53900	55000	55200
Iron	50	ug/L	22300	17500	17300
Magnesium	1000	ug/L	71600	75500	78000
Potassium	100	ug/L	26100	27500	27100
Sodium	1000	ug/L	458000	397000	402000
Aluminum	50	ug/L	<LOQ	<LOQ	106
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	30.4	42.1	38.9
Barium	10	ug/L	242	274	265
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	118	122	111
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	11.6	7.2	11.8
Asp Calcium by ICP-AES	1000	ug/L	53900	54900	55200
Chloride - ASP	5	mg/L	850	800	850
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.007
Chemical Oxygen Demand	5	mg/L	44	100	46
Color, Apparent	1	units	50	70	250
ASP Hardness as Calcium Carbonate	1	mg/L	430	450	460
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-5D</b>	<b>RFW-5D</b>	<b>RFW-5D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/7/2018</b>	<b>3/5/2020</b>	<b>5/12/2021</b>
ASP Magnesium	1000	ug/L	71600	75500	78000
Ammonia as N	0.05	mg/L	7.47	17.2	17.4
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	0.517
Corrosivity/pH	0.1	units	7.2	7.22	7.23
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	Not Detected
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	<LOQ	<LOQ	<LOQ
Total Dissolved Solids	2	mg/L	1636	1544	1820
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	17.5	16.7	18.3
Total Organic Carbon	0.1	mg/L as C	3.05	3.79	2.3
Turbidity	0.02	NTU	27.9	20.8	311
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-dichloropropane	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



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-5D</b>	<b>RFW-5D</b>	<b>RFW-5D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/7/2018</b>	<b>3/5/2020</b>	<b>5/12/2021</b>
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
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
Methlene 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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-5D</b>	<b>RFW-5D</b>	<b>RFW-5D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/7/2018</b>	<b>3/5/2020</b>	<b>5/12/2021</b>
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 1(RFW-6): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-6</b>	<b>RFW-6</b>	<b>RFW-6</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/5/2020</b>	<b>5/11/2021</b>
Diameter (Inches):			4"	4"	4"
Well Depth, Tow (ft.):			63.50'	63.50'	63.50'
Depth to Water, Tow (ft.)			58.00'	57.85'	57.7'
Water Level Elevation (ft.):			5.5'	5.65'	5.8'
TOC - TOW (ft.):			58.4'-58.00'	58'-57.85'	58'-57.7'
Boron	100	ug/L	1220	1010	1190
Calcium	1000	ug/L	183000	238000	164000
Iron	50	ug/L	710	79500	6170
Magnesium	1000	ug/L	115000	122000	111000
Potassium	100	ug/L	7290	6750	8500
Sodium	1000	ug/L	396000	350000	377000
Aluminum	50	ug/L	50.2	3260	53.7
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	16.2	<LOQ
Barium	10	ug/L	538	1440	673
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	55.6	5700	211
Cobalt	10	ug/L	12.9	25.9	35.3
Copper	50	ug/L	<LOQ	161	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	1410	2660	1760
Nickel	10	ug/L	530	974	1350
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	102	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	183000	238000	164000
Chloride - ASP	5	mg/L	150	775	775
ASP Total Cyanide	0.01	mg/L	0.023	0.03	0.028
Chemical Oxygen Demand	5	mg/L	44	100	60
Color, Apparent	1	units	20	70	300
ASP Hardness as Calcium Carbonate	1	mg/L	930	1100	870
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-6</b>	<b>RFW-6</b>	<b>RFW-6</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/5/2020</b>	<b>5/11/2021</b>
ASP Magnesium	1000	ug/L	115000	122000	111000
Ammonia as N	0.05	mg/L	<LOQ	0.0602	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	0.0208	0.0135	<LOQ
N-Nitrate Calculated	0.05	mg/L	1.06	0.32	0.474
Corrosivity/pH	0.1	units	6.99	7.02	6.99
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.005	Not Detected
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	39.6	34.9	37.7
Total Dissolved Solids	2	mg/L	1800	2108	2038
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	1.44	2.16	1.53
Total Organic Carbon	0.1	mg/L as C	18.2	3.55	3.15
Turbidity	0.02	NTU	8.92	23.4	101
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	36.87	<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	2.57	1.77	0.86
1,1-dichloropropane	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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-6</b>	<b>RFW-6</b>	<b>RFW-6</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/5/2020</b>	<b>5/11/2021</b>
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	3.65	<LOQ	1.61
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	3.72	3.3	1.75
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	0.62	<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	0.29	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-6</b>	<b>RFW-6</b>	<b>RFW-6</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/5/2020</b>	<b>5/11/2021</b>
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	0.821	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-7D</b>	<b>RFW-7D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/9/2020</b>
Diameter (Inches):			4"	4"
Well Depth, Tow (ft.):			46.70'	46.70'
Depth to Water, Tow (ft.)			7.50'	8.25'
Water Level Elevation (ft.):			39.2'	38.4'
TOC - TOW (ft.):			7.95'-7.50'	8.65'-8.25'
Boron	100	ug/L	<LOQ	<LOQ
Calcium	1000	ug/L	42600	37600
Iron	50	ug/L	109	<LOQ
Magnesium	1000	ug/L	15200	13500
Potassium	100	ug/L	3110	2530
Sodium	1000	ug/L	11500	8320
Aluminum	50	ug/L	55.4	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ
Barium	10	ug/L	56.9	56.6
Beryllium	10	ug/L	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ
Manganese	10	ug/L	<LOQ	16.9
Nickel	10	ug/L	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	176	171
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	42600	37600
Chloride - ASP	5	mg/L	<LOQ	<LOQ
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	<LOQ	<LOQ
Color, Apparent	1	units	5	<LOQ
ASP Hardness as Calcium Carbonate	1	mg/L	170	150
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-7D</b>	<b>RFW-7D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/9/2020</b>
ASP Magnesium	1000	ug/L	15200	13500
Ammonia as N	0.05	mg/L	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ
Corrosivity/pH	0.1	units	7.99	8.19
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected
ASP Metal Digestion - Aqueous			complete	Complete
NH4 Preparation			complete	Complete
Sulfate, Aqueous	1	mg/L	6.55	7.47
Total Dissolved Solids	2	mg/L	192	199
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.0775	0.095
Total Organic Carbon	0.1	mg/L as C	0.361	0.389
Turbidity	0.02	NTU	0.86	0.07
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ
1,1-dichloropropane	0.5	ug/L	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-7D</b>	<b>RFW-7D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/9/2020</b>
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	1.36	<LOQ
Methlene Chloride	0.5	ug/L	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	<LOQ	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-7D</b>	<b>RFW-7D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/9/2020</b>
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ

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

<b>RFW-7D</b>
<b>2021</b>
<b>5/12/2021</b>
4"
46.70'
8.5'
38.2'
8.9'-8.5'
<LOQ
36400
<LOQ
13100
2560
8450
<LOQ
<LOQ
<LOQ
51.4
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
172
<LOQ
36400
<LOQ
<LOQ
<LOQ
<LOQ
140
<LOQ
<LOQ

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

<b>RFW-7D</b>
<b>2021</b>
<b>5/12/2021</b>
13100
0.0598
<LOQ
<LOQ
8.11
0.006
Complete
Complete
6.5
270
0.167
1.14
0.17
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<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

<b>RFW-7D</b>
<b>2021</b>
<b>5/12/2021</b>
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<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

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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-7S</b>	<b>RFW-7S</b>	<b>RFW-7S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/9/2020</b>	<b>5/12/2021</b>
ASP Magnesium	1000	ug/L	23400	41000	32000
Ammonia as N	0.05	mg/L	<LOQ	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	1.74	3.69	2.9
Corrosivity/pH	0.1	units	7.28	7.15	7.28
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	0.017
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	16	17.6	15.8
Total Dissolved Solids	2	mg/L	300	526	495
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.189	0.364	0.47
Total Organic Carbon	0.1	mg/L as C	0.86	1.05	0.947
Turbidity	0.02	NTU	16.6	36.1	93.2
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-dichloropropane	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



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-7S</b>	<b>RFW-7S</b>	<b>RFW-7S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/9/2020</b>	<b>5/12/2021</b>
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	0.29
Bromodichloromethane	0.5	ug/L	0.39	0.569	<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	1.14	1.04	0.625
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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-7S</b>	<b>RFW-7S</b>	<b>RFW-7S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/9/2020</b>	<b>5/12/2021</b>
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ	<LOQ
Toluene	0.5	ug/L	0.32	<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 1(RFW-8): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-8</b>	<b>RFW-8</b>	<b>RFW-8</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/9/2020</b>	<b>5/12/2021</b>
Diameter (Inches):			4"	4"	4"
Well Depth, Tow (ft.):			53.95'	53.95'	53.95'
Depth to Water, Tow (ft.)			48.75'	47.35'	49.2'
Water Level Elevation (ft.):			5.2'	6.6'	4.75'
TOC - TOW (ft.):			49.20'-48.75'	47.75'-47.35'	49.7'-49.2'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	149000	169000	197000
Iron	50	ug/L	2820	24300	108000
Magnesium	1000	ug/L	50300	57500	69700
Potassium	100	ug/L	2150	2780	3490
Sodium	1000	ug/L	27100	39400	49000
Aluminum	50	ug/L	265	1770	2460
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	12.6
Barium	10	ug/L	155	245	482
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	181	7050	16500
Cobalt	10	ug/L	<LOQ	<LOQ	23.8
Copper	50	ug/L	<LOQ	136	314
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	19.4	101	261
Nickel	10	ug/L	27.2	283	698
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	35.7	92.2
Zinc	80	ug/L	<LOQ	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	319	270	299
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	149000	169000	197000
Chloride - ASP	5	mg/L	200	350	430
ASP Total Cyanide	0.01	mg/L	0.017	0.013	0.016
Chemical Oxygen Demand	5	mg/L	<LOQ	6	41
Color, Apparent	1	units	25	50	50
ASP Hardness as Calcium Carbonate	1	mg/L	580	660	780
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-8</b>	<b>RFW-8</b>	<b>RFW-8</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/9/2020</b>	<b>5/12/2021</b>
ASP Magnesium	1000	ug/L	50300	57500	69700
Ammonia as N	0.05	mg/L	<LOQ	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	9.34	5.75	6.32
Corrosivity/pH	0.1	units	7.25	7.29	7.27
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.005	Not Detected
ASP Metal Digestion - Aqueous NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	35.2	33	42.8
Total Dissolved Solids	2	mg/L	685	965	1424
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.31	0.34	0.749
Total Organic Carbon	0.1	mg/L as C	0.526	0.346	0.577
Turbidity	0.02	NTU	24.8	33.9	142
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-dichloropropane	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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-8</b>	<b>RFW-8</b>	<b>RFW-8</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/9/2020</b>	<b>5/12/2021</b>
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
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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-8</b>	<b>RFW-8</b>	<b>RFW-8</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/8/2018</b>	<b>3/9/2020</b>	<b>5/12/2021</b>
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 1(RFW-10D): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-10D</b>	<b>RFW-10D</b>	<b>RFW-10D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/9/2020</b>	<b>5/13/2021</b>
Diameter (Inches):			4"	4"	4"
Well Depth, Tow (ft.):			44.90'	44.90'	44.90'
Depth to Water, Tow (ft.)			7.60'	8.5'	8.8'
Water Level Elevation (ft.):			37.3'	36.4'	36.1'
TOC - TOW (ft.):			8.50'-7.60'	9.45'-8.5'	9.8'-8.8'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	85900	87200	65600
Iron	50	ug/L	449	4240	50.1
Magnesium	1000	ug/L	22400	24800	18900
Potassium	100	ug/L	4040	4370	3180
Sodium	1000	ug/L	14200	14000	13100
Aluminum	50	ug/L	287	2750	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	154	194	134
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	12.4	11.6	12.1
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	17.5	188	<LOQ
Nickel	10	ug/L	<LOQ	12.9	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	244	239	222
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	85900	87200	65600
Chloride - ASP	5	mg/L	74	71	58
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	<LOQ	9	5
Color, Apparent	1	units	5	15	<LOQ
ASP Hardness as Calcium Carbonate	1	mg/L	310	320	240
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-10D</b>	<b>RFW-10D</b>	<b>RFW-10D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/9/2020</b>	<b>5/13/2021</b>
ASP Magnesium	1000	ug/L	22400	24800	18900
Ammonia as N	0.05	mg/L	<LOQ	0.0638	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	0.077	0.0953
Corrosivity/pH	0.1	units	8.41	7.81	7.58
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.006	0.037
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	18	14.4	11.7
Total Dissolved Solids	2	mg/L	404	389	366
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.239	0.288	0.246
Total Organic Carbon	0.1	mg/L as C	2.08	2.55	1.4
Turbidity	0.02	NTU	5.23	33.8	1.74
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-dichloropropane	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



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-10D</b>	<b>RFW-10D</b>	<b>RFW-10D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/9/2020</b>	<b>5/13/2021</b>
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
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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-10D</b>	<b>RFW-10D</b>	<b>RFW-10D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/9/2020</b>	<b>5/13/2021</b>
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 1(RFW-10S): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-10S</b>	<b>RFW-10S</b>	<b>RFW-10S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/9/2020</b>	<b>5/13/2021</b>
Diameter (Inches):			2"	2"	2"
Well Depth, Tow (ft.):			17.95'	17.95'	17.95'
Depth to Water, Tow (ft.)			8.50'	9.7'	10'
Water Level Elevation (ft.):			9.45'	8.25'	7.95'
TOC - TOW (ft.):			9.33'-8.50'	10.4'-9.7'	10.7'-10'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	146000	200000	241000
Iron	50	ug/L	5690	28600	23700
Magnesium	1000	ug/L	47000	73500	82600
Potassium	100	ug/L	4800	8800	8260
Sodium	1000	ug/L	120000	106000	74200
Aluminum	50	ug/L	2830	15100	11900
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	181	318	314
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	74.4	530	149
Cobalt	10	ug/L	<LOQ	13.6	12.4
Copper	50	ug/L	<LOQ	<LOQ	30.9
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	295	572	467
Nickel	10	ug/L	74.4	125	181
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	38.4	42.3
Zinc	80	ug/L	<LOQ	101	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	487	>500	>500
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	146000	200000	241000
Chloride - ASP	5	mg/L	290	290	380
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	<LOQ	12	21
Color, Apparent	1	units	10	20	50
ASP Hardness as Calcium Carbonate	1	mg/L	560	800	940
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-10S</b>	<b>RFW-10S</b>	<b>RFW-10S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/9/2020</b>	<b>5/13/2021</b>
ASP Magnesium	1000	ug/L	47000	73500	82600
Ammonia as N	0.05	mg/L	<LOQ	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	0.264	0.236
Corrosivity/pH	0.1	units	7.43	7.22	7.05
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.004	0.058
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	27.2	45.4	77.8
Total Dissolved Solids	2	mg/L	1008	1064	1219
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.282	0.859	1.11
Total Organic Carbon	0.1	mg/L as C	0.893	0.816	1.1
Turbidity	0.02	NTU	36.7	15.7	372
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-dichloropropane	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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-10S</b>	<b>RFW-10S</b>	<b>RFW-10S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/9/2020</b>	<b>5/13/2021</b>
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
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
Methlene 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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-10S</b>	<b>RFW-10S</b>	<b>RFW-10S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/9/2020</b>	<b>5/13/2021</b>
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 1(RFW-11D): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-11D</b>	<b>RFW-11D</b>	<b>RFW-11D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
Diameter (Inches):			4"	4"	4"
Well Depth, Tow (ft.):			75.85'	75.85'	75.85'
Depth to Water, Tow (ft.)			4.60'	3.8'	4.2'
Water Level Elevation (ft.):			71.25'	72.2'	71.65'
TOC - TOW (ft.):			5.60'-4.60'	4.5'-3.8'	4.9'-4.2'
Boron	100	ug/L	315	391	303
Calcium	1000	ug/L	78000	79400	74700
Iron	50	ug/L	17300	19500	17000
Magnesium	1000	ug/L	104000	106000	102000
Potassium	100	ug/L	37500	43900	40600
Sodium	1000	ug/L	696000	594000	606000
Aluminum	50	ug/L	<LOQ	<LOQ	56
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	294	344	274
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	10.1
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	223	234	205
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	4.7	12.3	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	78000	79400	74700
Chloride - ASP	5	mg/L	1225	1225	1350
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.005
Chemical Oxygen Demand	5	mg/L	41	100	114
Color, Apparent	1	units	15	10	100
ASP Hardness as Calcium Carbonate	1	mg/L	620	640	610
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-11D</b>	<b>RFW-11D</b>	<b>RFW-11D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
ASP Magnesium	1000	ug/L	104000	106000	102000
Ammonia as N	0.05	mg/L	27.5	30.8	30.3
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	0.0279
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	0.0771
Corrosivity/pH	0.1	units	7.07	7.03	6.79
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	0.005
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	<LOQ	<LOQ	<LOQ
Total Dissolved Solids	2	mg/L	2565.3	2850	2786
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	32.2	37.7	31
Total Organic Carbon	0.1	mg/L as C	2.72	1.24	2.39
Turbidity	0.02	NTU	25	24.5	180
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-dichloropropane	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



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-11D</b>	<b>RFW-11D</b>	<b>RFW-11D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
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
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
Methlene 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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-11D</b>	<b>RFW-11D</b>	<b>RFW-11D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
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 1(RFW-11S): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-11S</b>	<b>RFW-11S</b>	<b>RFW-11S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
Diameter (Inches):			2"	2"	2"
Well Depth, Tow (ft.):			11.45'	11.45'	11.45'
Depth to Water, Tow (ft.)			3.30'	3.6'	4.8'
Water Level Elevation (ft.):			8.51'	3.5'	6.65'
TOC - TOW (ft.):			6.76'-3.30'	7.1'-3.6'	7.7'-4.8'
Boron	100	ug/L	<LOQ	110	<LOQ
Calcium	1000	ug/L	75400	71200	53300
Iron	50	ug/L	16600	16000	7880
Magnesium	1000	ug/L	19600	37300	22700
Potassium	100	ug/L	4220	10400	8030
Sodium	1000	ug/L	34300	107000	88300
Aluminum	50	ug/L	1050	1850	1140
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	11.4	<LOQ
Barium	10	ug/L	132	110	99.6
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	23.9	82.8	72.1
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	50.4	<LOQ
Lead	10	ug/L	14	14.9	<LOQ
Manganese	10	ug/L	1480	498	142
Nickel	10	ug/L	21.1	19	14.5
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	36.5	21.4
Zinc	80	ug/L	<LOQ	98.6	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	219	347	245
BioChemical Oxygen Demand	2	mg/L	<LOQ	8.03	2.7
Asp Calcium by ICP-AES	1000	ug/L	75400	71200	53300
Chloride - ASP	5	mg/L	55	222	200
ASP Total Cyanide	0.01	mg/L	0.017	<LOQ	0.02
Chemical Oxygen Demand	5	mg/L	52	14	13
Color, Apparent	1	units	40	60	50
ASP Hardness as Calcium Carbonate	1	mg/L	270	330	230
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-11S</b>	<b>RFW-11S</b>	<b>RFW-11S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
ASP Magnesium	1000	ug/L	19600	37300	22700
Ammonia as N	0.05	mg/L	0.0761	0.27	0.677
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	0.0184
N-Nitrate Calculated	0.05	mg/L	1.1	<LOQ	0.439
Corrosivity/pH	0.1	units	7.51	7.23	7.2
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	0.016
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	4.86	1.33	8.29
Total Dissolved Solids	2	mg/L	314	739	609
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	1.65	2.32	4.14
Total Organic Carbon	0.1	mg/L as C	4.07	2.27	1.53
Turbidity	0.02	NTU	16.6	4.23	57.9
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	57.5	37.1	<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-dichloropropane	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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-11S</b>	<b>RFW-11S</b>	<b>RFW-11S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
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
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
Methlene 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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-11S</b>	<b>RFW-11S</b>	<b>RFW-11S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
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 1(RFW-12D): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-12D</b>	<b>RFW-12D</b>	<b>RFW-12D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
Diameter (Inches):			4"	4"	4"
Well Depth, Tow (ft.):			45.90'	45.90'	45.90'
Depth to Water, Tow (ft.)			3.22'	4.1'	4.5'
Water Level Elevation (ft.):			42.68'	41.8'	41.4'
TOC - TOW (ft.):			4.80'-3.22'	5.1'-4.1'	5.4'-4.5'
Boron	100	ug/L	110	218	<LOQ
Calcium	1000	ug/L	88700	90500	47700
Iron	50	ug/L	1260	350	155
Magnesium	1000	ug/L	30900	36500	18600
Potassium	100	ug/L	6540	4110	2250
Sodium	1000	ug/L	178000	133000	62800
Aluminum	50	ug/L	<LOQ	<LOQ	<LOQ
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	89.3	64.5	36.6
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	33.4	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	119	715	142
Nickel	10	ug/L	10.5	13	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	373	437	244
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	2
Asp Calcium by ICP-AES	1000	ug/L	88700	90500	47700
Chloride - ASP	5	mg/L	325	200	75
ASP Total Cyanide	0.01	mg/L	0.012	<LOQ	0.006
Chemical Oxygen Demand	5	mg/L	18	19	13
Color, Apparent	1	units	20	15	10
ASP Hardness as Calcium Carbonate	1	mg/L	350	380	200
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-12D</b>	<b>RFW-12D</b>	<b>RFW-12D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
ASP Magnesium	1000	ug/L	30900	36500	18600
Ammonia as N	0.05	mg/L	2.01	0.517	0.172
Nitrite Nitrogen as N	0.01	mg/L	0.0166	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	0.719	0.76	0.183
Corrosivity/pH	0.1	units	7.03	7.04	7.06
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected	Not Detected
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	30	23.1	10.8
Total Dissolved Solids	2	mg/L	846	816	406
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	2.27	0.878	0.574
Total Organic Carbon	0.1	mg/L as C	2.37	2.95	3.32
Turbidity	0.02	NTU	8.94	0.97	0.96
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-dichloropropane	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



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-12D</b>	<b>RFW-12D</b>	<b>RFW-12D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
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
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
Methlene 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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-12D</b>	<b>RFW-12D</b>	<b>RFW-12D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
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 1(RFW-12D): Groundwater


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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-12S</b>	<b>RFW-12S</b>	<b>RFW-12S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
Diameter (Inches):			2"	2"	2"
Well Depth, Tow (ft.):			15.90'	15.90'	15.90'
Depth to Water, Tow (ft.)			2.61'	3.80'	3.8'
Water Level Elevation (ft.):			13.29'	12.1'	12.1'
TOC - TOW (ft.):			3.40'-2.61'	4.5'-3.80'	4.7'-3.8'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	44100	85100	83100
Iron	50	ug/L	5310	16300	11100
Magnesium	1000	ug/L	14000	26600	25000
Potassium	100	ug/L	2440	2700	3360
Sodium	1000	ug/L	29900	18200	19400
Aluminum	50	ug/L	125	<LOQ	69.4
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	71.8	148	121
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	297	657	555
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	179	370	348
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	44100	85100	83100
Chloride - ASP	5	mg/L	69	9	11
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.005
Chemical Oxygen Demand	5	mg/L	<LOQ	9	9
Color, Apparent	1	units	40	50	250
ASP Hardness as Calcium Carbonate	1	mg/L	170	320	310
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-12S</b>	<b>RFW-12S</b>	<b>RFW-12S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
ASP Magnesium	1000	ug/L	14000	26600	25000
Ammonia as N	0.05	mg/L	0.171	0.17	0.18
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	0.0714
Corrosivity/pH	0.1	units	7.59	7.44	7.33
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.008	Not Detected
ASP Metal Digestion - Aqueous			complete	Complete	Complete
NH4 Preparation			complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	5.07	8.74	3.42
Total Dissolved Solids	2	mg/L	237	401	391
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.39	0.515	0.525
Total Organic Carbon	0.1	mg/L as C	1.53	2.61	3.21
Turbidity	0.02	NTU	9.69	11.5	160
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-dichloropropane	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



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-12S</b>	<b>RFW-12S</b>	<b>RFW-12S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
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
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	3	<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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RFW-12S</b>	<b>RFW-12S</b>	<b>RFW-12S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/14/2018</b>	<b>3/11/2020</b>	<b>5/13/2021</b>
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 1(RFW-12S): Groundwater


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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-1A: Tellers Point Right</b>
<b>Sampling Period:</b>			<b>2018</b>
Boron	100	ug/L	<LOQ
Calcium	1000	ug/L	25300
Iron	50	ug/L	1480
Magnesium	1000	ug/L	5510
Potassium	100	ug/L	1960
Sodium	1000	ug/L	18300
Aluminum	50	ug/L	981
Antimony	20	ug/L	<LOQ
Arsenic	10	ug/L	<LOQ
Barium	10	ug/L	22.4
Beryllium	10	ug/L	<LOQ
Cadmium	10	ug/L	<LOQ
Chromium	10	ug/L	<LOQ
Cobalt	10	ug/L	<LOQ
Copper	50	ug/L	<LOQ
Lead	10	ug/L	<LOQ
Magnese	10	ug/L	78
Nickel	10	ug/L	<LOQ
Selenium	20	ug/L	<LOQ
Silver	20	ug/L	<LOQ
Thallium	10	ug/L	<LOQ
Vanadium	20	ug/L	<LOQ
Zinc	80	ug/L	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	69.2
BioChemical Oxygen Demand	2	mg/L	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	25300
Chloride - ASP	5	mg/L	31
ASP Total Cyanide	0.01	mg/L	<LOQ
Chemical Oxygen Demand	5	mg/L	17
Color, Apparent	1	units	15
ASP Hardness as Calcium Carbonate	1	mg/L	86
Hexavalent Chromium, ASP	40	ug/L	<LOQ
ASP Mercury	0.2	ug/L	<LOQ
ASP Magnesium	1000	ug/L	5510
Ammonia as N	0.05	mg/L	0.0627
Nitrite Nitrogen as N	0.01	mg/L	<LOQ
N-Nitrate Calculated	0.05	mg/L	0.526
Corrosivity/pH	0.1	units	7.98

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-1A: Tellers Point Right</b>
<b>Sampling Period:</b>			<b>2018</b>
Phenolics, Total Recoverable	0.025	mg/L	<LOQ
ASP Metal Digestion - Aqueous			Complete
NH4 Preparation			Complete
Sulfate, Aqueous	1	mg/L	12.4
Total Dissolved Solids	2	mg/L	166.7
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.485
Total Organic Carbon	0.1	mg/L as C	4.86
Turbidity	0.02	NTU	34.1
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ
2-hexanone	5	ug/L	<LOQ
Acetone	10	ug/L	<LOQ
Acetonitrile	50	ug/L	<LOQ
Acrolein	5	ug/L	<LOQ
Acrylonitrile	5	ug/L	<LOQ
Carbon Disulfide	5	ug/L	<LOQ
Methyl Iodide	5	ug/L	<LOQ
Prep. Method		ug/L	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ
Vinyl Acetate	5	ug/L	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ
1,1-dichloropropane	0.5	ug/L	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ
1,3-dichloropropane	0.5	ug/L	<LOQ



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

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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-1A: Tellers Point Right</b>
<b>Sampling Period:</b>			<b>2018</b>
Trichloroethene	0.5	ug/L	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ

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

<b>SRF-1A: Tellers Point Right 2020</b>	<b>SRF-1A: Tellers Point Right 2021</b>
269	303
39900	49300
457	2590
66200	93200
25600	37900
516000	786000
269	1450
<LOQ	<LOQ
<LOQ	<LOQ
25.9	42.5
<LOQ	<LOQ
<LOQ	<LOQ
<LOQ	18.3
<LOQ	<LOQ
<LOQ	<LOQ
<LOQ	<LOQ
31.4	174
<LOQ	<LOQ
<LOQ	<LOQ
<LOQ	<LOQ
<LOQ	<LOQ
<LOQ	<LOQ
<LOQ	<LOQ
69.1	69
<LOQ	3
39900	49300
1225	1700
<LOQ	0.27
17	23
25	100
370	510
<LOQ	<LOQ
<LOQ	<LOQ
66200	93200
0.13	<LOQ
0.0134	<LOQ
0.493	0.0716
7.8	8.43



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

SRF-1A: Tellers Point Right 2020	SRF-1A: Tellers Point Right 2021
<LOQ	<LOQ
<LOQ	<LOQ
<LOQ	<LOQ
<LOQ	<LOQ
<LOQ	<LOQ
<LOQ	<LOQ
<LOQ	<LOQ
<LOQ	<LOQ
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<LOQ	<LOQ
<LOQ	<LOQ
<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

<b>SRF-1A: Tellers Point Right</b>	<b>SRF-1A: Tellers Point Right</b>
<b>2020</b>	<b>2021</b>
<LOQ	<LOQ
<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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-2A: Beach Right</b>	<b>SRF-2A: Beach Right</b>	<b>SRF-2A: Beach Right</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
Boron	100	ug/L	<LOQ	368	142
Calcium	1000	ug/L	24000	45400	27800
Iron	50	ug/L	1220	734	1180
Magnesium	1000	ug/L	5630	79700	29900
Potassium	100	ug/L	1970	31800	10700
Sodium	1000	ug/L	19700	614000	222000
Aluminum	50	ug/L	664	474	577
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	15.7	25.2	16.5
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	10.6	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Magnese	10	ug/L	67.9	37.9	63.5
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	71	68.8	56
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	24000	45400	27800
Chloride - ASP	5	mg/L	36	1425	510
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	0.005

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

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



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-2A: Beach Right</b>	<b>SRF-2A: Beach Right</b>	<b>SRF-2A: Beach Right</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
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-dichloropropane	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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-2A: Beach Right</b>	<b>SRF-2A: Beach Right</b>	<b>SRF-2A: Beach Right</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
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
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	0.58	<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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-2A: Beach Right</b>	<b>SRF-2A: Beach Right</b>	<b>SRF-2A: Beach Right</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
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-2B): Surface Water

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-2B: Beach Left</b>	<b>SRF-2B: Beach Left</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>
Boron	100	ug/L	<LOQ	367
Calcium	1000	ug/L	22500	46200
Iron	50	ug/L	1130	564
Magnesium	1000	ug/L	5660	82100
Potassium	100	ug/L	1920	32600
Sodium	1000	ug/L	21000	614000
Aluminum	50	ug/L	611	340
Antimony	20	ug/L	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ
Barium	10	ug/L	16.5	23.3
Beryllium	10	ug/L	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ
Magnaese	10	ug/L	58.6	27.5
Nickel	10	ug/L	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	<LOQ
Zinc	80	ug/L	<LOQ	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	73.2	69.2
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	22500	46200
Chloride - ASP	5	mg/L	38	1425
ASP Total Cyanide	0.01	mg/L	0.01	<LOQ
Chemical Oxygen Demand	5	mg/L	15	16
Color, Apparent	1	units	40	20
ASP Hardness as Calcium Carbonate	1	mg/L	79	450
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	5660	82100
Ammonia as N	0.05	mg/L	0.0901	0.155
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	0.0141
N-Nitrate Calculated	0.05	mg/L	0.526	0.537
Corrosivity/pH	0.1	units	7.95	7.62

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-2B: Beach Left</b>	<b>SRF-2B: Beach Left</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	Not Detected
ASP Metal Digestion - Aqueous NH4 Preparation				Complete Complete
Sulfate, Aqueous	1	mg/L	13.4	205
Total Dissolved Solids	2	mg/L	184	2640
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.492	0.549
Total Organic Carbon	0.1	mg/L as C	4.87	0.52
Turbidity	0.02	NTU	26.2	13.3
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	<LOQ
1,2-dibromoethane	0.5	ug/L	<LOQ	<LOQ
2-hexanone	5	ug/L	<LOQ	<LOQ
Acetone	10	ug/L	<LOQ	<LOQ
Acetonitrile	50	ug/L	<LOQ	<LOQ
Acrolein	5	ug/L	<LOQ	<LOQ
Acrylonitrile	5	ug/L	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	<LOQ	<LOQ
Methyl Iodide	5	ug/L	<LOQ	<LOQ
Prep. Method		ug/L	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	<LOQ	<LOQ
1,1,1-trichloroethane	0.5	ug/L	<LOQ	<LOQ
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	<LOQ
1,1,2-trichloroethane	0.5	ug/L	<LOQ	<LOQ
1,1-dichloroethane	0.5	ug/L	<LOQ	<LOQ
1,1-dichloropropane	0.5	ug/L	<LOQ	<LOQ
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ
1,2,3-trichloropropane	0.5	ug/L	<LOQ	<LOQ
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ
1,2-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	<LOQ
1,3-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ
1,3-dichloropropane	0.5	ug/L	<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:	SRF-2B:
			Beach Left	Beach Left
Sampling Period:			2018	2020
1,4-dichlorobenzene	0.5	ug/L	<LOQ	<LOQ
2,2-dichloropropane	0.5	ug/L	<LOQ	<LOQ
2-butanone	2	ug/L	<LOQ	<LOQ
2-chlorotoluene	0.5	ug/L	<LOQ	<LOQ
4-chlorotoluene	0.5	ug/L	<LOQ	<LOQ
Benzene	0.5	ug/L	<LOQ	<LOQ
Bromobenzene	0.5	ug/L	<LOQ	<LOQ
Bromochloromethane	0.5	ug/L	<LOQ	<LOQ
Bromodichloromethane	0.5	ug/L	<LOQ	<LOQ
Bromoform	0.5	ug/L	<LOQ	<LOQ
Bromomethane	0.5	ug/L	<LOQ	<LOQ
Carbon tetrachloride	0.5	ug/L	<LOQ	<LOQ
Chlorobenzene	0.5	ug/L	<LOQ	<LOQ
Chloroethane	0.5	ug/L	<LOQ	<LOQ
Chloroform	0.5	ug/L	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ
Dibromochloromethane	0.5	ug/L	<LOQ	<LOQ
Dibromomethane	0.5	ug/L	<LOQ	<LOQ
Dichlorodifluoromethane	0.5	ug/L	<LOQ	<LOQ
Ethylbenzene	0.5	ug/L	<LOQ	<LOQ
Hexachlobutadiene	0.5	ug/L	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L	<LOQ	<LOQ
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	<LOQ	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	<LOQ
N-Butylbenzene	0.5	ug/L	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L	<LOQ	<LOQ
O-xylene	0.5	ug/L	<LOQ	<LOQ
P & M-xylene	1	ug/L	<LOQ	<LOQ
P-isopropyltoluene	0.5	ug/L	0.26	<LOQ
SEC-butylbenzene	0.5	ug/L	<LOQ	<LOQ
Styrene	0.5	ug/L	<LOQ	<LOQ
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-2B: Beach Left</b>	<b>SRF-2B: Beach Left</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>
Trichloroethene	0.5	ug/L	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	<LOQ	<LOQ

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

<b>SRF-2B: Beach Left</b>
<b>2021</b>
149
27300
1410
29700
10600
221000
651
<LOQ
<LOQ
17
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
75.7
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
58
<LOQ
27300
510
0.005
11
15
190
<LOQ
<LOQ
29700
<LOQ
<LOQ
0.428
7.84



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

<b>SRF-2B:</b>
<b>Beach Left</b>
<b>2021</b>
Not Detected
Complete
Complete
70.4
876
0.547
1.1
31.3
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
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Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001  
Post Closure Monitoring and Sampling Report, Table 2(SRF-2B): Surface Water

<b>SRF-2B:</b>
<b>Beach Left</b>
<b>2021</b>
<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:	SRF-3A:
			Marsh Right	Marsh Right
Sampling Period:			2018	2020
Boron	100	ug/L	<LOQ	
Calcium	1000	ug/L	23500	
Iron	50	ug/L	119	
Magnesium	1000	ug/L	9250	
Potassium	100	ug/L	2750	
Sodium	1000	ug/L	46900	
Aluminum	50	ug/L	<LOQ	
Antimony	20	ug/L	<LOQ	
Arsenic	10	ug/L	<LOQ	
Barium	10	ug/L	34.3	
Beryllium	10	ug/L	<LOQ	
Cadmium	10	ug/L	<LOQ	
Chromium	10	ug/L	<LOQ	
Cobalt	10	ug/L	<LOQ	
Copper	50	ug/L	<LOQ	
Lead	10	ug/L	<LOQ	
Magnesium	10	ug/L	54.4	
Nickel	10	ug/L	<LOQ	
Selenium	20	ug/L	<LOQ	
Silver	20	ug/L	<LOQ	
Thallium	10	ug/L	<LOQ	
Vanadium	20	ug/L	<LOQ	
Zinc	80	ug/L	<LOQ	
Alkalinity as Calcium Carbonate	5	mg/L	72.2	
BioChemical Oxygen Demand	2	mg/L	<LOQ	
Asp Calcium by ICP-AES	1000	ug/L	23500	
Chloride - ASP	5	mg/L	107	
ASP Total Cyanide	0.01	mg/L	<LOQ	
Chemical Oxygen Demand	5	mg/L	15	
Color, Apparent	1	units	30	
ASP Hardness as Calcium Carbonate	1	mg/L	97	
Hexavalent Chromium, ASP	40	ug/L	<LOQ	
ASP Mercury	0.2	ug/L	<LOQ	
ASP Magnesium	1000	ug/L	9250	
Ammonia as N	0.05	mg/L	<LOQ	
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	
N-Nitrate Calculated	0.05	mg/L	0.317	
Corrosivity/pH	0.1	units	8.01	

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:	SRF-3A:
			Marsh Right	Marsh Right
Sampling Period:			2018	2020
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	
ASP Metal Digestion - Aqueous			Complete	
NH4 Preparation			Complete	
Sulfate, Aqueous	1	mg/L	13	
Total Dissolved Solids	2	mg/L	296	
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.402	
Total Organic Carbon	0.1	mg/L as C	3.12	
Turbidity	0.02	NTU	2.2	
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	
1,2-dibromoethane	0.5	ug/L	<LOQ	
2-hexanone	5	ug/L	<LOQ	
Acetone	10	ug/L	<LOQ	
Acetonitrile	50	ug/L	<LOQ	
Acrolein	5	ug/L	<LOQ	
Acrylonitrile	5	ug/L	<LOQ	
Carbon Disulfide	5	ug/L	<LOQ	
Methyl Iodide	5	ug/L	<LOQ	
Prep. Method		ug/L	<LOQ	
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	
Vinyl Acetate	5	ug/L	<LOQ	
1,1,1-trichloroethane	0.5	ug/L	<LOQ	
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	
1,1,2-trichloroethane	0.5	ug/L	<LOQ	
1,1-dichloroethane	0.5	ug/L	<LOQ	
1,1-dichloropropane	0.5	ug/L	<LOQ	
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	
1,2,3-trichloropropane	0.5	ug/L	<LOQ	
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	
1,2-dichlorobenzene	0.5	ug/L	<LOQ	
1,2-dichloroethane	0.5	ug/L	<LOQ	
1,2-dichloropropane	0.5	ug/L	<LOQ	
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	
1,3-dichlorobenzene	0.5	ug/L	<LOQ	
1,3-dichloropropane	0.5	ug/L	<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:	SRF-3A:
			Marsh Right	Marsh Right
Sampling Period:			2018	2020
1,4-dichlorobenzene	0.5	ug/L	<LOQ	
2,2-dichloropropane	0.5	ug/L	<LOQ	
2-butanone	2	ug/L	<LOQ	
2-chlorotoluene	0.5	ug/L	<LOQ	
4-chlorotoluene	0.5	ug/L	<LOQ	
Benzene	0.5	ug/L	<LOQ	
Bromobenzene	0.5	ug/L	<LOQ	
Bromochloromethane	0.5	ug/L	<LOQ	
Bromodichloromethane	0.5	ug/L	<LOQ	
Bromoform	0.5	ug/L	<LOQ	
Bromomethane	0.5	ug/L	<LOQ	
Carbon tetrachloride	0.5	ug/L	<LOQ	
Chlorobenzene	0.5	ug/L	<LOQ	
Chloroethane	0.5	ug/L	<LOQ	
Chloroform	0.5	ug/L	<LOQ	
Chloromethane	0.5	ug/L	<LOQ	
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	
Dibromochloromethane	0.5	ug/L	<LOQ	
Dibromomethane	0.5	ug/L	<LOQ	
Dichlorodifluoromethane	0.5	ug/L	<LOQ	
Ethylbenzene	0.5	ug/L	<LOQ	
Hexachlobutadiene	0.5	ug/L	<LOQ	
Isopropylbenzene	0.5	ug/L	<LOQ	
Methyl iso-butyl ketone	2	ug/L	<LOQ	
Methyl tert butyl ether	0.5	ug/L	<LOQ	
Methylene Chloride	0.5	ug/L	<LOQ	
Naphthalene	0.5	ug/L	<LOQ	
N-Butylbenzene	0.5	ug/L	<LOQ	
N-propylbenzene	0.5	ug/L	<LOQ	
O-xylene	0.5	ug/L	<LOQ	
P & M-xylene	1	ug/L	<LOQ	
P-isopropyltoluene	0.5	ug/L	<LOQ	
SEC-butylbenzene	0.5	ug/L	<LOQ	
Styrene	0.5	ug/L	<LOQ	
Tert-butylbenzene	0.5	ug/L	<LOQ	
Tetrachloroethene	0.5	ug/L	<LOQ	
Toluene	0.5	ug/L	<LOQ	
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-3A: Marsh Right</b>	<b>SRF-3A: Marsh Right</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>
Trichloroethene	0.5	ug/L	<LOQ	
Trichlorofluoromethane	0.5	ug/L	<LOQ	
Vinyl chloride	0.5	ug/L	<LOQ	

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

<b>SRF-3A: Marsh Right</b>
<b>2021</b>
291
47400
2400
89500
36200
757000
1210
<LOQ
<LOQ
35.9
<LOQ
<LOQ
15.7
<LOQ
<LOQ
<LOQ
149
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
69
3.1
47400
1800
0.013
32
100
490
<LOQ
<LOQ
89500
0.142
<LOQ
0.0896
8.39







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

<b>SRF-3A:</b>
<b>Marsh Right</b>
<b>2021</b>
<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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-3B: Marsh Left</b>	<b>SRF-3B: Marsh Left</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>
Boron	100	ug/L	<LOQ	
Calcium	1000	ug/L	23900	
Iron	50	ug/L	380	
Magnesium	1000	ug/L	9120	
Potassium	100	ug/L	2810	
Sodium	1000	ug/L	45900	
Aluminum	50	ug/L	173	
Antimony	20	ug/L	<LOQ	
Arsenic	10	ug/L	<LOQ	
Barium	10	ug/L	34.7	
Beryllium	10	ug/L	<LOQ	
Cadmium	10	ug/L	<LOQ	
Chromium	10	ug/L	<LOQ	
Cobalt	10	ug/L	<LOQ	
Copper	50	ug/L	<LOQ	
Lead	10	ug/L	<LOQ	
Magnese	10	ug/L	59.9	
Nickel	10	ug/L	<LOQ	
Selenium	20	ug/L	<LOQ	
Silver	20	ug/L	<LOQ	
Thallium	10	ug/L	<LOQ	
Vanadium	20	ug/L	<LOQ	
Zinc	80	ug/L	<LOQ	
Alkalinity as Calcium Carbonate	5	mg/L	74.7	
BioChemical Oxygen Demand	2	mg/L	<LOQ	
Asp Calcium by ICP-AES	1000	ug/L	23900	
Chloride - ASP	5	mg/L	115	
ASP Total Cyanide	0.01	mg/L	<LOQ	
Chemical Oxygen Demand	5	mg/L	10	
Color, Apparent	1	units	20	
ASP Hardness as Calcium Carbonate	1	mg/L	97	
Hexavalent Chromium, ASP	40	ug/L	<LOQ	
ASP Mercury	0.2	ug/L	<LOQ	
ASP Magnesium	1000	ug/L	9120	
Ammonia as N	0.05	mg/L	0.0521	
Nitrite Nitrogen as N	0.01	mg/L	0.0103	
N-Nitrate Calculated	0.05	mg/L	0.298	
Corrosivity/pH	0.1	units	7.91	

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-3B: Marsh Left</b>	<b>SRF-3B: Marsh Left</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	
ASP Metal Digestion - Aqueous			Complete	
NH4 Preparation			Complete	
Sulfate, Aqueous	1	mg/L	13.5	
Total Dissolved Solids	2	mg/L	312	
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.382	
Total Organic Carbon	0.1	mg/L as C	3.17	
Turbidity	0.02	NTU	5.12	
1,2-dibromo-3-chloropropane	0.5	ug/L	<LOQ	
1,2-dibromoethane	0.5	ug/L	<LOQ	
2-hexanone	5	ug/L	<LOQ	
Acetone	10	ug/L	<LOQ	
Acetonitrile	50	ug/L	<LOQ	
Acrolein	5	ug/L	<LOQ	
Acrylonitrile	5	ug/L	<LOQ	
Carbon Disulfide	5	ug/L	<LOQ	
Methyl iodide	5	ug/L	<LOQ	
Prep. Method		ug/L	<LOQ	
Trans-1,4-dichloro-2-butene	5	ug/L	<LOQ	
Vinyl Acetate	5	ug/L	<LOQ	
1,1,1-trichloroethane	0.5	ug/L	<LOQ	
1,1,1,2-tetrachloroethane	0.5	ug/L	<LOQ	
1,1,2,2-tetrachloroethane	0.5	ug/L	<LOQ	
1,1,2-trichloroethane	0.5	ug/L	<LOQ	
1,1-dichloroethane	0.5	ug/L	<LOQ	
1,1-dichloropropane	0.5	ug/L	<LOQ	
1,2,3-trichlorobenzene	0.5	ug/L	<LOQ	
1,2,3-trichloropropane	0.5	ug/L	<LOQ	
1,2,4-trichlorobenzene	0.5	ug/L	<LOQ	
1,2,4-trimethylbenzene	0.5	ug/L	<LOQ	
1,2-dichlorobenzene	0.5	ug/L	<LOQ	
1,2-dichloroethane	0.5	ug/L	<LOQ	
1,2-dichloropropane	0.5	ug/L	<LOQ	
1,3,5-trimethylbenzene	0.5	ug/L	<LOQ	
1,3-dichlorobenzene	0.5	ug/L	<LOQ	
1,3-dichloropropane	0.5	ug/L	<LOQ	

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-3B: Marsh Left</b>	<b>SRF-3B: Marsh Left</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>
1,4-dichlorobenzene	0.5	ug/L	<LOQ	
2,2-dichloropropane	0.5	ug/L	<LOQ	
2-butanone	2	ug/L	<LOQ	
2-chlorotoluene	0.5	ug/L	<LOQ	
4-chlorotoluene	0.5	ug/L	<LOQ	
Benzene	0.5	ug/L	<LOQ	
Bromobenzene	0.5	ug/L	<LOQ	
Bromochloromethane	0.5	ug/L	<LOQ	
Bromodichloromethane	0.5	ug/L	<LOQ	
Bromoform	0.5	ug/L	<LOQ	
Bromomethane	0.5	ug/L	<LOQ	
Carbon tetrachloride	0.5	ug/L	<LOQ	
Chlorobenzene	0.5	ug/L	<LOQ	
Chloroethane	0.5	ug/L	<LOQ	
Chloroform	0.5	ug/L	<LOQ	
Chloromethane	0.5	ug/L	<LOQ	
cis-1,2-dichloroethane	0.5	ug/L	<LOQ	
cis-1,3-dichloropropene	0.5	ug/L	<LOQ	
Dibromochloromethane	0.5	ug/L	<LOQ	
Dibromomethane	0.5	ug/L	<LOQ	
Dichlorodifluoromethane	0.5	ug/L	<LOQ	
Ethylbenzene	0.5	ug/L	<LOQ	
Hexachlobutadiene	0.5	ug/L	<LOQ	
Isopropylbenzene	0.5	ug/L	<LOQ	
Methyl iso-butyl ketone	2	ug/L	<LOQ	
Methyl tert butyl ether	0.5	ug/L	<LOQ	
Methylene Chloride	0.5	ug/L	<LOQ	
Naphthalene	0.5	ug/L	<LOQ	
N-Butylbenzene	0.5	ug/L	<LOQ	
N-propylbenzene	0.5	ug/L	<LOQ	
O-xylene	0.5	ug/L	<LOQ	
P & M-xylene	1	ug/L	<LOQ	
P-isopropyltoluene	0.5	ug/L	<LOQ	
SEC-butylbenzene	0.5	ug/L	<LOQ	
Styrene	0.5	ug/L	<LOQ	
Tert-butylbenzene	0.5	ug/L	<LOQ	
Tetrachloroethene	0.5	ug/L	<LOQ	
Toluene	0.5	ug/L	<LOQ	
trans-1,2-dichloroethene	0.5	ug/L	<LOQ	
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>SRF-3B: Marsh Left</b>	<b>SRF-3B: Marsh Left</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>
Trichloroethene	0.5	ug/L	<LOQ	
Trichlorofluoromethane	0.5	ug/L	<LOQ	
Vinyl chloride	0.5	ug/L	<LOQ	

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

<b>SRF-3B:</b>
<b>Marsh Left</b>
<b>2021</b>
287
47100
2430
88900
35700
735000
1250
<LOQ
<LOQ
36.4
<LOQ
<LOQ
14.9
<LOQ
43.3
<LOQ
154
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
70
2.8
47100
1750
0.02
27
100
480
<LOQ
<LOQ
88900
<LOQ
<LOQ
0.077
8.39



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

<b>SRF-3B:</b>
<b>Marsh Left</b>
<b>2021</b>
Not Detected
Complete
Complete
220
3156
1.15
0.772
72.5
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<LOQ
<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

<b>SRF-3B:</b>
<b>Marsh Left</b>
<b>2021</b>
<LOQ
<LOQ
<LOQ

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

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

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
				2018	2020	2021
<b>Sampling Period:</b>				<b>2018</b>	<b>2020</b>	<b>2021</b>
Aluminum	50	ug/L		145	70.1	595
Antimony	20	ug/L		<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	200	<LOQ	<LOQ	<LOQ
Barium	1	ug/L	2000	117	122	263
Beryllium	10	ug/L		<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	700	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	3000 (total)	<LOQ	<LOQ	10.3
Cobalt	10	ug/L		<LOQ	<LOQ	<LOQ
Copper	50	ug/L	2800	139	249	318
Lead	10	ug/L	400	<LOQ	<LOQ	12.7
Magnesium	10	ug/L		335	348	766
Nickel	10	ug/L	2800	<LOQ	<LOQ	11.8
Selenium	20	ug/L	200	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	800	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L		<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L		<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	1800	<LOQ	97.4	381
Biochemical Oxygen Demand	2	mg/L		50.7	81.6	55
ASP Total Cyanide	0.01	mg/L	0.8	0.03	0.056	0.026
Hexavalent Chromium, ASP	40	ug/L	2000	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	200	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	Units	5.5 (low)- 9.5 (high)	7.67	7.51	7.78
Phenolics, Total Recoverable	0.025	mg/L		0.07	0.172	0.045
ASP Metal Digestion-Aqueous				Complete	Complete	Complete
Total Kjeldahl Nitrogen as N-ASP					71.8	
Total Suspended Solids	2	mg/L		120	28	88

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>County Daily Wastewater Limits (Avg.)</b>	<b>Pump Station #2</b>	<b>Pump Station #2</b>	<b>Pump Station #2</b>
<b>Sampling Period:</b>				<b>2018</b>	<b>2020</b>	<b>2021</b>
Total Toxic Organics		mg/L	2.1	0.03585	0.063917	0.010453
4,4-DDD	0.1	ug/L		<LOQ	<LOQ	<LOQ
4,4-DDE	0.1	ug/L		<LOQ	<LOQ	<LOQ
4,4-DDT	0.1	ug/L		<LOQ	<LOQ	<LOQ
a-BHC	0.05	ug/L		<LOQ	<LOQ	<LOQ
a-Chlordane	0.05	ug/L		<LOQ	<LOQ	<LOQ
Aldrin	0.05	ug/L		<LOQ	<LOQ	<LOQ
b-BHC	0.05	ug/L		<LOQ	<LOQ	<LOQ
Chlordane	0.1	ug/L		<LOQ	<LOQ	<LOQ
d-BHC	0.05	ug/L		<LOQ	<LOQ	<LOQ
Dieldrin	0.1	ug/L		<LOQ	<LOQ	<LOQ
Endosulfan 1	0.05	ug/L		<LOQ	<LOQ	<LOQ
Endosulfan 2	0.1	ug/L		<LOQ	<LOQ	<LOQ
Endosulfan sulfate	0.1	ug/L		<LOQ	<LOQ	<LOQ
Endrin	0.1	ug/L		<LOQ	<LOQ	<LOQ
Endrin aldehyde	0.1	ug/L		<LOQ	<LOQ	<LOQ
Endrin ketone	0.1	ug/L		<LOQ	<LOQ	<LOQ
g-Chlordane	0.05	ug/L		<LOQ	<LOQ	<LOQ
Heptachlor	0.05	ug/L		<LOQ	<LOQ	<LOQ
Heptachlor epoxide	0.05	ug/L		<LOQ	<LOQ	<LOQ
Lindane	0.05	ug/L		<LOQ	<LOQ	<LOQ
Methoxychlor	0.1	ug/L		<LOQ	<LOQ	<LOQ
Toxaphene	5	ug/L		<LOQ	<LOQ	<LOQ
PCB-1016	0.5	ug/L		<LOQ	<LOQ	<LOQ
PCB-1221	0.5	ug/L		<LOQ	<LOQ	<LOQ
PCB-1232	0.5	ug/L		<LOQ	<LOQ	<LOQ
PBC-1242	0.5	ug/L		<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
				2018	2020	2021
<b>Sampling Period:</b>						
PBC-1248	0.5	ug/L		<LOQ	<LOQ	<LOQ
PCB-1254	0.5	ug/L		<LOQ	<LOQ	<LOQ
PCB-1260	0.5	ug/L		<LOQ	<LOQ	<LOQ
1,2-dibromo-3-chloropropane	0.5	ug/L		<LOQ	<LOQ	<LOQ
1,2-dibromomethane	0.5	ug/L		<LOQ	<LOQ	<LOQ
2-hexanone	5	ug/L		<LOQ	<LOQ	<LOQ
Acetone	10	ug/L		108	218 E	68.9
Acetonitrile	50	ug/L		<LOQ	<LOQ	<LOQ
Acrolein	5	ug/L		<LOQ	<LOQ	<LOQ
Carbon Disulfide	5	ug/L		<LOQ	<LOQ	<LOQ
Methyl Iodide	5	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-dichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ
1,1-dichloropropene	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		2.75	<LOQ	<LOQ
1,2,4-trimethylbenzene	0.5	ug/L		<LOQ	2.57	0.915
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

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
				2018	2020	2021
<b>Sampling Period:</b>				<b>2018</b>	<b>2020</b>	<b>2021</b>
1,3,5-trimethylbenzene	0.5	ug/L		0.96	0.626	<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		3.82	26.1	6.37
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	0.633
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		0.35	0.732	<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		0.42	<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



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
				2018	2020	2021
<b>Sampling Period:</b>				<b>2018</b>	<b>2020</b>	<b>2021</b>
Methylene Chloride	0.5	ug/L		<LOQ	0.525	<LOQ
Naphthalene	0.5	ug/L		1.86	0.757	0.33
N-Butylbenzene	0.5	ug/L		0.74	<LOQ	<LOQ
N-propylbenzene	0.5	ug/L		0.31	<LOQ	<LOQ
O-xylene	0.5	ug/L		1.47	0.695	1.22
P & M-xylene	1	ug/L		1.69	0.99	0.86
P-isopropyltoluene	0.5	ug/L		2.98	2.54	1.48
SEC-butylbenzene	0.5	ug/L		0.35	<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		10.1	21.4	1.2
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
1,2,4-Trichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ
1,2-Dichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ
1,3-Dichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ
1,4-Dichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ
2,4,6-trichlorophenol	10	ug/L		<LOQ	<LOQ	<LOQ
2,4-Dichlorophenol	5	ug/L		<LOQ	<LOQ	<LOQ
2,4-Dimethylphenol	5	ug/L		<LOQ	3.17	<LOQ
2,4- Dinitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ
2,4-Dinitrotoluene	5	ug/L		<LOQ	<LOQ	<LOQ
2,6-Dinitrotoluene	5	ug/L		<LOQ	<LOQ	<LOQ
2-Chloronaphthalene	5	ug/L		<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
				2018	2020	2021
<b>Sampling Period:</b>				<b>2018</b>	<b>2020</b>	<b>2021</b>
2-Chlorophenol	5	ug/L		<LOQ	<LOQ	<LOQ
2-Methyl-4,6-dinitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ
2-Nitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ
3,3-Dichlorobenzidine	5	ug/L		<LOQ	<LOQ	<LOQ
4-Bromophenylphenylether	5	ug/L		<LOQ	<LOQ	<LOQ
4-Chloro-3-methylphenol	5	ug/L		<LOQ	<LOQ	<LOQ
4-Chlorophenylphenylether	5	ug/L		<LOQ	<LOQ	<LOQ
4-Nitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ
Acenaphthene	5	ug/L		1.25	<LOQ	<LOQ
Aceaphthylene	5	ug/L		<LOQ	<LOQ	<LOQ
Anthracene	5	ug/L		<LOQ	<LOQ	<LOQ
Azobenzene	5	ug/L		<LOQ	<LOQ	<LOQ
Benzidine	10	ug/L		<LOQ	<LOQ	<LOQ
Benzo(a)anthracene	5	ug/L		<LOQ	<LOQ	<LOQ
Benzo(a)pyrene	5	ug/L		<LOQ	<LOQ	<LOQ
Benzo(b)fluoranthene	5	ug/L		<LOQ	<LOQ	<LOQ
Benzo(g,h,i)perylene	5	ug/L		<LOQ	<LOQ	<LOQ
Benzo(k)fluoranthene	5	ug/L		<LOQ	<LOQ	<LOQ
Benzyl butyl phthalate	5	ug/L		<LOQ	<LOQ	<LOQ
bis(2-chloroethoxy)methane	5	ug/L		<LOQ	<LOQ	<LOQ
bis(2-chloroethyl)ether	5	ug/L		<LOQ	<LOQ	<LOQ
bis(2-Ethylhexyl)phthalate	5	ug/L		1.92	2.69	3.26
Chrysene	5	ug/L		<LOQ	<LOQ	<LOQ
Dibenzo(a,h)anthracene	5	ug/L		<LOQ	<LOQ	<LOQ
Diethylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ
Dimethylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ
Di-n-butylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ
Di-n-octylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ
Flouranthene	5	ug/L		<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
				2018	2020	2021
<b>Sampling Period:</b>						
Fluorene	5	ug/L		4.22	<LOQ	<LOQ
Hexachlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ
Hexachlorobutadiene	5	ug/L		<LOQ	<LOQ	<LOQ
Hexachlorocyclopentadiene	10	ug/L		<LOQ	<LOQ	<LOQ
Hexachloroethane	5	ug/L		<LOQ	<LOQ	<LOQ
Indeno(1,2,3-cd)pyrene	5	ug/L		<LOQ	<LOQ	<LOQ
Isophrone	5	ug/L		<LOQ	<LOQ	<LOQ
Napthalene	5	ug/L		<LOQ	<LOQ	<LOQ
Nitrobenzene	5	ug/L		<LOQ	<LOQ	<LOQ
n-Nitrosodimethylamine	5	ug/L		<LOQ	<LOQ	<LOQ
n-Nitrosodi-n-propylamine	5	ug/L		<LOQ	<LOQ	<LOQ
n-Nitrosodiphenylamine	5	ug/L		<LOQ	<LOQ	<LOQ
Pentachlorophenol	10	ug/L		<LOQ	<LOQ	<LOQ
Phenanthrene	5	ug/L		5.79	<LOQ	<LOQ
Phenol	5	ug/L	4000	11.8	35.4	5.36
Pyrene	5	ug/L		<LOQ	<LOQ	<LOQ
HEM;Oil & Grease Total recoverable	5	mg/L	100	<LOQ	<LOQ	14.6
Non-polar Extractable Material (TPH)	2.5	mg/L				2.89

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	RR Sump	RR sump	RR sump
			Wastewater Limits (Avg.)			
Sampling Period:				2018	2020	2021
Aluminum	50	ug/L		1140	74.7	183
Antimony	20	ug/L		<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	200	64.1	22	28.5
Barium	1	ug/L	2000	182	440	450
Beryllium	10	ug/L		<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	700	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	3000 (total)	<LOQ	11.1	<LOQ
Cobalt	10	ug/L		48.3	25.4	32.4
Copper	50	ug/L	2800	<LOQ	53.3	73.9
Lead	10	ug/L	400	<LOQ	<LOQ	<LOQ
Magnesium	10	ug/L		525	99.3	145
Nickel	10	ug/L	2800	71.9	89.1	91.1
Selenium	20	ug/L	200	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	800	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L		<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L		<LOQ	<LOQ	<LOQ
Zinc	80	ug/L	1800	2200	<LOQ	135
Biochemical Oxygen Demand	2	mg/L		160	80.4	122
ASP Total Cyanide	0.01	mg/L	0.8	0.033	0.119	0.094
Hexavalent Chromium, ASP	40	ug/L	2000	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	200	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	Units	5.5 (low)- 9.5 (high)	7.37	7.19	7.33
Phenolics, Total Recoverable	0.025	mg/L		<LOQ	0.017	0.194
ASP Metal Digestion-Aqueous				Complete	Complete	Complete
Total kjeldahl nitrogen as N-ASP					400	
Total Suspended Solids	2	mg/L		250	73	172

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>County Daily Wastewater Limits (Avg.)</b>	<b>RR Sump</b>	<b>RR sump</b>	<b>RR sump</b>
Total Toxic Organics		mg/L	2.1	0.00211	0.01422	0.010594
4,4-DDD	0.1	ug/L		<LOQ	<LOQ	<LOQ
4,4-DDE	0.1	ug/L		<LOQ	<LOQ	<LOQ
4,4-DDT	0.1	ug/L		<LOQ	<LOQ	<LOQ
a-BHC	0.05	ug/L		<LOQ	<LOQ	<LOQ
a-Chlordane	0.05	ug/L		<LOQ	<LOQ	<LOQ
Aldrin	0.05	ug/L		<LOQ	<LOQ	<LOQ
b-BHC	0.05	ug/L		<LOQ	<LOQ	<LOQ
Chlordane	0.1	ug/L		<LOQ	<LOQ	<LOQ
d-BHC	0.05	ug/L		<LOQ	<LOQ	<LOQ
Dieldrin	0.1	ug/L		<LOQ	<LOQ	<LOQ
Endosulfan 1	0.05	ug/L		<LOQ	<LOQ	<LOQ
Endosulfan 2	0.1	ug/L		<LOQ	<LOQ	<LOQ
Endosulfan sulfate	0.1	ug/L		<LOQ	<LOQ	<LOQ
Endrin	0.1	ug/L		<LOQ	<LOQ	<LOQ
Endrin aldehyde	0.1	ug/L		<LOQ	<LOQ	<LOQ
Endrin ketone	0.1	ug/L		<LOQ	<LOQ	<LOQ
g-Chlordane	0.05	ug/L		<LOQ	<LOQ	<LOQ
Heptachlor	0.05	ug/L		<LOQ	<LOQ	<LOQ
Heptachlor epoxide	0.05	ug/L		<LOQ	<LOQ	<LOQ
Lindane	0.05	ug/L		<LOQ	<LOQ	<LOQ
Methoxychlor	0.1	ug/L		<LOQ	<LOQ	0.144
Toxaphene	5	ug/L		<LOQ	<LOQ	<LOQ
PCB-1016	0.5	ug/L		<LOQ	<LOQ	<LOQ
PCB-1221	0.5	ug/L		<LOQ	<LOQ	<LOQ
PCB-1232	0.5	ug/L		<LOQ	<LOQ	<LOQ
PBC-1242	0.5	ug/L		<LOQ	<LOQ	<LOQ
PBC-1248	0.5	ug/L		<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>County Daily Wastewater Limits (Avg.)</b>	<b>RR Sump</b>	<b>RR sump</b>	<b>RR sump</b>
PCB-1254	0.5	ug/L		<LOQ	<LOQ	<LOQ
PCB-1260	0.5	ug/L		<LOQ	<LOQ	<LOQ
1,2-dibromo-3-chloropropane	0.5	ug/L		<LOQ	<LOQ	<LOQ
1,2-dibromomethane	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
Carbon Disulfide	5	ug/L		<LOQ	<LOQ	<LOQ
Methyl Iodide	5	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-dichloroethane	0.5	ug/L		<LOQ	<LOQ	<LOQ
1,1-dichloropropene	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	0.38	<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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>County Daily Wastewater Limits (Avg.)</b>	<b>RR Sump</b>	<b>RR sump</b>	<b>RR sump</b>
1,3-dichloropropane	0.5	ug/L		<LOQ	<LOQ	<LOQ
1,4-dichlorobenzene	0.5	ug/L		<LOQ	2.13	1.51
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	1.34	0.956
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		2.11	7.78	5.94
Chloroethane	0.5	ug/L		<LOQ	0.38	0.25
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	0.41
Hexachlobutadiene	0.5	ug/L		<LOQ	<LOQ	<LOQ
Isopropylbenzene	0.5	ug/L		<LOQ	0.861	<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	4.61	2.04
N-Butylbenzene	0.5	ug/L		<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>County Daily Wastewater Limits (Avg.)</b>	<b>RR Sump</b>	<b>RR sump</b>	<b>RR sump</b>
N-propylbenzene	0.5	ug/L		<LOQ	0.682	<LOQ
O-xylene	0.5	ug/L		<LOQ	0.552	<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
1,2,4-Trichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ
1,2-Dichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ
1,3-Dichlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ
1,4-Dichlorobenzene	5	ug/L		<LOQ	1.12	<LOQ
2,4,6-trichlorophenol	10	ug/L		<LOQ	<LOQ	<LOQ
2,4-Dichlorophenol	5	ug/L		<LOQ	<LOQ	<LOQ
2,4-Dimethylphenol	5	ug/L		<LOQ	1.12	<LOQ
2,4- Dinitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ
2,4-Dinitrotoluene	5	ug/L		<LOQ	<LOQ	<LOQ
2,6-Dinitrotoluene	5	ug/L		<LOQ	<LOQ	<LOQ
2-Chloronaphthalene	5	ug/L		<LOQ	<LOQ	<LOQ
2-Chlorophenol	5	ug/L		<LOQ	<LOQ	<LOQ
2-Methyl-4,6-dinitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ
2-Nitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ
3,3'-Dichlorobenzidine	5	ug/L		<LOQ	<LOQ	<LOQ



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>County Daily Wastewater Limits (Avg.)</b>	<b>RR Sump</b>	<b>RR sump</b>	<b>RR sump</b>
4-Bromophenylphenylether	5	ug/L		<LOQ	<LOQ	<LOQ
4-Chloro-3-methylphenol	5	ug/L		<LOQ	<LOQ	<LOQ
4-Chlorophenylphenylether	5	ug/L		<LOQ	<LOQ	<LOQ
4-Nitrophenol	10	ug/L		<LOQ	<LOQ	<LOQ
Acenaphthene	5	ug/L		<LOQ	<LOQ	<LOQ
Aceaphthylene	5	ug/L		<LOQ	<LOQ	<LOQ
Anthracene	5	ug/L		<LOQ	<LOQ	<LOQ
Azobenzene	5	ug/L		<LOQ	<LOQ	<LOQ
Benzidine	10	ug/L		<LOQ	<LOQ	<LOQ
Benzo(a)anthracene	5	ug/L		<LOQ	<LOQ	<LOQ
Benzo(a)pyrene	5	ug/L		<LOQ	<LOQ	<LOQ
Benzo(b)fluoranthene	5	ug/L		<LOQ	<LOQ	<LOQ
Benzo(g,h,i)perylene	5	ug/L		<LOQ	<LOQ	<LOQ
Benzo(k)fluoranthene	5	ug/L		<LOQ	<LOQ	<LOQ
Benzyl butyl phthalate	5	ug/L		<LOQ	<LOQ	<LOQ
bis(2-chloroethoxy)methane	5	ug/L		<LOQ	<LOQ	<LOQ
bis(2-chloroethyl)ether	5	ug/L		<LOQ	<LOQ	<LOQ
bis(2-Ethylhexyl)phthalate	5	ug/L		<LOQ	<LOQ	2.06
Chrysene	5	ug/L		<LOQ	<LOQ	<LOQ
Dibenzo(a,h)anthracene	5	ug/L		<LOQ	<LOQ	<LOQ
Dithylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ
Dimethylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ
Di-n-butylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ
Di-n-octylphthalate	5	ug/L		<LOQ	<LOQ	<LOQ
Fluoranthene	5	ug/L		<LOQ	<LOQ	<LOQ
Fluorene	5	ug/L		<LOQ	<LOQ	<LOQ
Hexachlorobenzene	5	ug/L		<LOQ	<LOQ	<LOQ
Hexachlorobutadiene	5	ug/L		<LOQ	<LOQ	<LOQ
Hexachlorocyclopentadiene	10	ug/L		<LOQ	<LOQ	<LOQ
Hexachloroethane	5	ug/L		<LOQ	<LOQ	<LOQ

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

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

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

<b>Month</b>	<b>Railroad Landfill</b>	<b>Metro-North</b>	<b>Railroad Landfill</b>	<b>Metro-North</b>
<b>Year</b>	<b>2018</b>	<b>2018</b>	<b>2020</b>	<b>2020</b>
January	4,665,879	2,763,750	1,457,310	1642206.667
February	1,556,319	2,579,729	459,936	1293942
March	693,018	2,290,769	972,995	1338673
April	831,448	1,522,154	689,836	1255040
May	655,153	1,603,257	193,856	1605250.333
June	558,538	1,299,319	839,283	1037331
July	587,576	1,619,839	469,014	1098649
August	888,054	2,366,413	511,878	896454
September	481,891	1,727,894	218,402	1018378
October	838,076	2,627,225	677,764	1309685.333
November	1,334,432	2,292,942	409,512	1300782
December	575,267	2,009,215	1,022,207	1880030.667

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-2D</b>	<b>RR-2D</b>	<b>RR-2D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/30/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
Diameter (Inches):			2"	2"	2"
Well Depth, Tow (ft.):			57.75'	57.75'	57.75'
Depth to Water, Tow (ft.)			9.09'	9.35'	9.2'
Water Level Elevation (ft.):			48.66'	48.4'	48.5'
TOC - TOW (ft.):			10.10'-9.09'	9.55'-9.35'	9.4'-9.2'
Boron	100	ug/L	133	126	171
Calcium	1000	ug/L	93800	67100	84900
Iron	50	ug/L	1100	526	738
Magnesium	1000	ug/L	62300	45100	57400
Potassium	100	ug/L	5880	4210	5210
Sodium	1000	ug/L	61800	44900	56800
Aluminum	50	ug/L	251	<LOQ	38
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	344	224	339
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	36.7	<LOQ	29.9
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	1070	738	1150
Nickel	10	ug/L	196	129	197
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	39.9	<LOQ
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	93800	67100	84900
Chloride - ASP	5	mg/L	81	82	90
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	98	93	76
Color, Apparent	1	units	25	5	75
ASP Hardness as Calcium Carbonate	1	mg/L	490	350	450
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-2D</b>	<b>RR-2D</b>	<b>RR-2D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/30/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
ASP Magnesium	1000	ug/L	62300	45100	57400
Ammonia as N	0.05	mg/L	<LOQ	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	units	7.39	7.22	7.22
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.008	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete
NH4 Preparation			Complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	7.17	8.22	13.3
Total Dissolved Solids	2	mg/L	766	738	720
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.449	0.431	0.443
Total Organic Carbon	0.1	mg/L as C	35	29.5	28.6
Turbidity	0.02	NTU	7.98	4.1	198
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-dichloropropane	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	4.86	6.69	6

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-2D</b>	<b>RR-2D</b>	<b>RR-2D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/30/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
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	2.2	2.66	2.22
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	7.05	9.71	8.45
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	1.18	1.63	1.24
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	0.572	0.769	0.511
Methyl iso-butyl ketone	2	ug/L	<LOQ	<LOQ	<LOQ
Methyl tert butyl ether	0.5	ug/L	1.14	3.09	<LOQ
Methylene Chloride	0.5	ug/L	<LOQ	<LOQ	<LOQ
Naphthalene	0.5	ug/L	<LOQ	0.578	<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	1.14	1.74	1.22
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-2D</b>	<b>RR-2D</b>	<b>RR-2D</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/30/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
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	0.9	0.862	0.632

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

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



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-2S</b>	<b>RR-2S</b>	<b>RR-2S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/30/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
ASP Magnesium	1000	ug/L	53600	46900	64600
Ammonia as N	0.05	mg/L	0.0752	0.0725	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	<LOQ	<LOQ
Corrosivity/pH	0.1	units	6.87	6.79	6.79
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.007	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete
NH4 Preparation			Complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	45.7	58.7	57
Total Dissolved Solids	2	mg/L	854.7	802.7	876
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.644	0.708	0.492
Total Organic Carbon	0.1	mg/L as C	37.3	31.6	32.1
Turbidity	0.02	NTU	18.5	45.6	397
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-dichloropropane	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	4.64	6.55	4.55

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-2S</b>	<b>RR-2S</b>	<b>RR-2S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/30/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
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	1.68	1.57	1.12
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	5.48	6.36	4.59
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	0.647	0.739	<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	0.68	13.3	<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	0.61	0.934	0.53
Styrene	0.5	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-2S</b>	<b>RR-2S</b>	<b>RR-2S</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/30/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
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 6 (RR3): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-3</b>	<b>RR-3</b>	<b>RR-3</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/2/2020</b>	<b>5/5/2021</b>
Diameter (Inches):			2"	2"	2"
Well Depth, Tow (ft.):			26.88'	26.88'	26.88'
Depth to Water, Tow (ft.)			11.5'	11.2'	11.6'
Water Level Elevation (ft.):			15.38'	15.68'	15.28'
TOC - TOW (ft.):			12'-11.5'	11.8'-11.2'	12.2'-11.6'
Boron	100	ug/L	<LOQ	54.2	<LOQ
Calcium	1000	ug/L	77100	66500	85300
Iron	50	ug/L	2810	6220	6150
Magnesium	1000	ug/L	21800	20500	24400
Potassium	100	ug/L	5260	4520	4310
Sodium	1000	ug/L	211000	177000	133000
Aluminum	50	ug/L	<LOQ	227	584
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	14.2	14.1
Barium	10	ug/L	281	302	345
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	497	2070	1330
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	417	419	447
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	77100	66500	8530
Chloride - ASP	5	mg/L	310	270	180
ASP Total Cyanide	0.01	mg/L	0.014	<LOQ	0.011
Chemical Oxygen Demand	5	mg/L	7	9	6
Color, Apparent	1	units	35	5	5
ASP Hardness as Calcium Carbonate	1	mg/L	280	250	310
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-3</b>	<b>RR-3</b>	<b>RR-3</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/2/2020</b>	<b>5/5/2021</b>
ASP Magnesium	1000	ug/L	21800	20500	24400
Ammonia as N	0.05	mg/L	0.114	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	0.122	0.114	0.185
N-Nitrate Calculated	0.05	mg/L	3.18	1.13	2.2
Corrosivity/pH	0.1	units	7.4	7.6	7.37
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.007	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete
NH4 Preparation			Complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	19.8	32.3	48.4
Total Dissolved Solids	2	mg/L	878	852	744
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.256	0.255	0.417
Total Organic Carbon	0.1	mg/L as C	0.812	0.933	1.22
Turbidity	0.02	NTU	22.1	34.8	28.8
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-dichloropropane	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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-3</b>	<b>RR-3</b>	<b>RR-3</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/2/2020</b>	<b>5/5/2021</b>
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
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	1.5	<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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-3</b>	<b>RR-3</b>	<b>RR-3</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/2/2020</b>	<b>5/5/2021</b>
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 6 (RR4): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-4</b>	<b>RR-4</b>	<b>RR-4</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
Diameter (Inches):			2"	2"	2"
Well Depth, Tow (ft.):			15.85'	15.85'	15.85'
Depth to Water, Tow (ft.)			6.5'	6.4'	6.9'
Water Level Elevation (ft.):			9.35'	9.45'	8.9'
TOC - TOW (ft.):			7.02'-6.5'	7.1'-6.4'	7.6'-6.9'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	81900	44900	53700
Iron	50	ug/L	2180	3440	7770
Magnesium	1000	ug/L	28600	16900	19400
Potassium	100	ug/L	6790	3580	4990
Sodium	1000	ug/L	11800	12300	15900
Aluminum	50	ug/L	980	990	2020
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	108	108	172
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	983	3130	3890
Nickel	10	ug/L	<LOQ	<LOQ	10.4
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	170	200
Alkalinity as Calcium Carbonate	5	mg/L	282	237	23
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	81900	44900	53700
Chloride - ASP	5	mg/L	5	7	31
ASP Total Cyanide	0.01	mg/L	0.015	<LOQ	0.11
Chemical Oxygen Demand	5	mg/L	35	25	8
Color, Apparent	1	units	30	5	75
ASP Hardness as Calcium Carbonate	1	mg/L	320	180	210
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-4</b>	<b>RR-4</b>	<b>RR-4</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
ASP Magnesium	1000	ug/L	28600	16800	19400
Ammonia as N	0.05	mg/L	<LOQ	<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	0.0159
N-Nitrate Calculated	0.05	mg/L	0.327	0.226	0.337
Corrosivity/pH	0.1	units	6.94	7.25	7.2
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.005	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete
NH4 Preparation			Complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	32.7	28.7	21.7
Total Dissolved Solids	2	mg/L	338	296	236
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	1.04	0.612	0.911
Total Organic Carbon	0.1	mg/L as C	10.2	4.92	3.93
Turbidity	0.02	NTU	21	50.4	165
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-dichloropropane	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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-4</b>	<b>RR-4</b>	<b>RR-4</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
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
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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-4</b>	<b>RR-4</b>	<b>RR-4</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
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 6 (RR5): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-5</b>	<b>RR-5</b>	<b>RR-5</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/3/2020</b>	<b>5/5/2021</b>
Diameter (Inches):			2"	2"	2"
Well Depth, Tow (ft.):			19.35'	19.35'	19.35'
Depth to Water, Tow (ft.)			11.04'	11.25'	11.5'
Water Level Elevation (ft.):			8.31'	8.1'	7.85'
TOC - TOW (ft.):			11.07'-11.04	.55'-11.25'	11.8'-11.5'
Boron	100	ug/L	<LOQ	64.3	52.7
Calcium	1000	ug/L	152000	101000	103000
Iron	50	ug/L	5810	4040	4350
Magnesium	1000	ug/L	29300	16600	18200
Potassium	100	ug/L	7200	5440	4880
Sodium	1000	ug/L	106000	57700	20800
Aluminum	50	ug/L	<LOQ	<LOQ	111
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	218	147	158
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	1060	682	1200
Nickel	10	ug/L	10.4	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	>500	474	366
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	152000	101000	103000
Chloride - ASP	5	mg/L	180	60	21
ASP Total Cyanide	0.01	mg/L	<LOQ	0.012	0.006
Chemical Oxygen Demand	5	mg/L	12	24	13
Color, Apparent	1	units	20	60	15
ASP Hardness as Calcium Carbonate	1	mg/L	500	320	330
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-5</b>	<b>RR-5</b>	<b>RR-5</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/3/2020</b>	<b>5/5/2021</b>
ASP Magnesium	1000	ug/L	29300	16600	18200
Ammonia as N	0.05	mg/L	0.533	0.383	0.201
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	0.0285	0.0306
N-Nitrate Calculated	0.05	mg/L	<LOQ	0.506	0.368
Corrosivity/pH	0.1	units	6.75	6.89	7.1
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.006	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete
NH4 Preparation			Complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	40	32.9	30.2
Total Dissolved Solids	2	mg/L	872	632	480
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	1.03	1.05	0.881
Total Organic Carbon	0.1	mg/L as C	3.77	8.38	5.31
Turbidity	0.02	NTU	10.6	1.76	24.6
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-dichloropropane	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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-5</b>	<b>RR-5</b>	<b>RR-5</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/3/2020</b>	<b>5/5/2021</b>
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	0.25	0.31	<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	0.525	<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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-5</b>	<b>RR-5</b>	<b>RR-5</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/3/2020</b>	<b>5/5/2021</b>
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 6 (RR6): Groundwater

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-6</b>	<b>RR-6</b>	<b>RR-6</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/3/2020</b>	<b>5/5/2021</b>
Diameter (Inches):			2"	2"	2"
Well Depth, Tow (ft.):			77.65'	77.65'	77.65'
Depth to Water, Tow (ft.)			69.6'	69.2'	69.6'
Water Level Elevation (ft.):			8.05'	8.45'	8.05'
TOC - TOW (ft.):			69.95'-69.60'	9.55'-69.2'	69.9'-69.6'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	168000	111000	135000
Iron	50	ug/L	1810	2090	3820
Magnesium	1000	ug/L	43600	29800	36700
Potassium	100	ug/L	4040	4180	4420
Sodium	1000	ug/L	4960	7520	6420
Aluminum	50	ug/L	<LOQ	209	255
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	214	206	270
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	3470	2620	3320
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	>500	489	495
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	168000	111000	135000
Chloride - ASP	5	mg/L	6	<LOQ	5
ASP Total Cyanide	0.01	mg/L	<LOQ	0.014	0.007
Chemical Oxygen Demand	5	mg/L	9	7	4
Color, Apparent	1	units	<LOQ	15	15
ASP Hardness as Calcium Carbonate	1	mg/L	600	400	490
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-6</b>	<b>RR-6</b>	<b>RR-6</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/3/2020</b>	<b>5/5/2021</b>
ASP Magnesium	1000	ug/L	43600	29800	36700
Ammonia as N	0.05	mg/L	0.107	0.0586	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	0.163	0.944
N-Nitrate Calculated	0.05	mg/L	<LOQ	5.18	1.14
Corrosivity/pH	0.1	units	6.64	6.89	6.96
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.005	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete
NH4 Preparation			Complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	18.7	63.7	54.1
Total Dissolved Solids	2	mg/L	670	584	658
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.493	0.651	0.523
Total Organic Carbon	0.1	mg/L as C	3.15	2.17	2.48
Turbidity	0.02	NTU	0.78	5.74	23.1
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-dichloropropane	0.5	ug/L	1.1	<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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-6</b>	<b>RR-6</b>	<b>RR-6</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/3/2020</b>	<b>5/5/2021</b>
1,2-dichloroethane	0.5	ug/L	<LOQ	<LOQ	<LOQ
1,2-dichloropropane	0.5	ug/L	0.42	<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	0.4	<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	10.7	0.913	2.06
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	4.8	<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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-6</b>	<b>RR-6</b>	<b>RR-6</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/3/2020</b>	<b>5/5/2021</b>
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	0.613	0.885	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	0.37	<LOQ	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	1.28	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	0.36	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-1</b>	<b>RR-1</b>	<b>RR-1</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/30/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
Diameter (Inches):			2"	2"	2"
Well Depth, Tow (ft.):			27.05'	27.05'	27.05'
Depth to Water, Tow (ft.)			20.30'	19.55'	19.35'
Water Level Elevation (ft.):			7.02'	7.5'	7.7'
TOC - TOW (ft.):			20.6'-20.3'	19.90'-19.55'	19.7'-19.35'
Boron	100	ug/L	<LOQ	56.3	61.4
Calcium	1000	ug/L	124000	124000	124000
Iron	50	ug/L	8770	19500	18600
Magnesium	1000	ug/L	61100	62900	61700
Potassium	100	ug/L	5060	6520	6160
Sodium	1000	ug/L	17500	17000	16700
Aluminum	50	ug/L	6700	14300	10200
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	35.1	<LOQ	<LOQ
Barium	10	ug/L	278	392	364
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	21.4	29.3	24.9
Cobalt	10	ug/L	<LOQ	12.6	11.4
Copper	50	ug/L	<LOQ	40.1	35.9
Lead	10	ug/L	<LOQ	<LOQ	10.2
Manganese	10	ug/L	717	1540	1260
Nickel	10	ug/L	18.3	35.4	32.2
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
Silver	20	ug/L	<LOQ	<LOQ	<LOQ
Thallium	10	ug/L	<LOQ	<LOQ	<LOQ
Vanadium	20	ug/L	<LOQ	35.1	35.3
Zinc	80	ug/L	<LOQ	167	89.5
Alkalinity as Calcium Carbonate	5	mg/L	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	124000	124000	124000
Chloride - ASP	5	mg/L	46	64	65
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	8	8	5
Color, Apparent	1	units	<LOQ	20	25
ASP Hardness as Calcium Carbonate	1	mg/L	560	570	560
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-1</b>	<b>RR-1</b>	<b>RR-1</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/30/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
ASP Magnesium	1000	ug/L	61100	62900	61700
Ammonia as N	0.05	mg/L		<LOQ	<LOQ
Nitrite Nitrogen as N	0.01	mg/L		<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L		<LOQ	<LOQ
Corrosivity/pH	0.1	units	7	7.1	7.16
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.007	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete
NH4 Preparation			Complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	25.8	27.1	29.2
Total Dissolved Solids	2	mg/L	618	618.7	606.7
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.557	0.232	0.917
Total Organic Carbon	0.1	mg/L as C	1.8	2.33	2.54
Turbidity	0.02	NTU	32	27.2	195
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	14.4	10.7	<LOQ
1,1-dichloropropane	0.5	ug/L	<LOQ	<LOQ	7.28
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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-1</b>	<b>RR-1</b>	<b>RR-1</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/30/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
1,2-dichloroethane	0.5	ug/L	2	1.73	1.05
1,2-dichloropropane	0.5	ug/L	0.681	0.793	0.45
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	2.45	<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	0.873	0.884	0.35
Chloroform	0.5	ug/L	0.32	<LOQ	<LOQ
Chloromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ
cis-1,2-dichloroethane	0.5	ug/L	48.2	28.3	11.3
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	1.74	0.737	<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	1.89	2.36	<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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-1</b>	<b>RR-1</b>	<b>RR-1</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/30/2018</b>	<b>3/2/2020</b>	<b>5/4/2021</b>
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	0.42	<LOQ	<LOQ
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	0.681	0.622	<LOQ
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	0.26	<LOQ	<LOQ
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	12.9	12.3	10.7

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-7</b>	<b>RR-7</b>	<b>RR-7</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/3/2020</b>	<b>5/5/2021</b>
Diameter (Inches):			2"	2"	2"
Well Depth, Tow (ft.):			75.80'	75.80'	75.80'
Depth to Water, Tow (ft.)			69'	68.40'	68.9'
Water Level Elevation (ft.):			6.8'	7.4'	6.9'
TOC - TOW (ft.):			69.25'-69'	68.7'-68.4'	69.2'-68.9'
Boron	100	ug/L	<LOQ	<LOQ	<LOQ
Calcium	1000	ug/L	165000	142000	197000
Iron	50	ug/L	4850	3980	5390
Magnesium	1000	ug/L	101000	87500	97000
Potassium	100	ug/L	5960	5410	6720
Sodium	1000	ug/L	6360	6210	6510
Aluminum	50	ug/L	<LOQ	<LOQ	842
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	582	466	751
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	3780	3260	4350
Nickel	10	ug/L	13.9	10	15.5
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	>500	>500	>500
BioChemical Oxygen Demand	2	mg/L	<LOQ	<LOQ	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	165000	142000	197000
Chloride - ASP	5	mg/L	19	16	16
ASP Total Cyanide	0.01	mg/L	<LOQ	<LOQ	<LOQ
Chemical Oxygen Demand	5	mg/L	16	8	8
Color, Apparent	1	units	5	50	10
ASP Hardness as Calcium Carbonate	1	mg/L	830	720	890
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ



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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-7</b>	<b>RR-7</b>	<b>RR-7</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/3/2020</b>	<b>5/5/2021</b>
ASP Magnesium	1000	ug/L	101000	87500	97000
Ammonia as N	0.05	mg/L	<LOQ	0.0542	<LOQ
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	<LOQ	<LOQ
N-Nitrate Calculated	0.05	mg/L	<LOQ	0.078	0.0567
Corrosivity/pH	0.1	units	6.73	6.76	6.66
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.005	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete
NH4 Preparation			Complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	26	31.4	34.5
Total Dissolved Solids	2	mg/L	956	934	946
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.327	0.288	0.489
Total Organic Carbon	0.1	mg/L as C	3	3.16	3.68
Turbidity	0.02	NTU	16.8	5.42	22.1
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	Not Analyzed	<LOQ	<LOQ
Acrolein	5	ug/L	Not Analyzed	<LOQ	<LOQ
Acrylonitrile	5	ug/L	Not Analyzed	<LOQ	<LOQ
Carbon Disulfide	5	ug/L	Not Analyzed	<LOQ	<LOQ
Methyl iodide	5	ug/L	Not Analyzed	<LOQ	<LOQ
Prep. Method		ug/L	Not Analyzed	<LOQ	<LOQ
Trans-1,4-dichloro-2-butene	5	ug/L	Not Analyzed	<LOQ	<LOQ
Vinyl Acetate	5	ug/L	Not Analyzed	<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	5.47	5.09	3.21
1,1-dichloropropane	0.5	ug/L	0.638	0.616	0.31
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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-7</b>	<b>RR-7</b>	<b>RR-7</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/3/2020</b>	<b>5/5/2021</b>
1,2-dichloroethane	0.5	ug/L	3.68	3.44	2.21
1,2-dichloropropane	0.5	ug/L	1.92	2.21	1.45
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	0.25	<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	0.831	0.903	<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	140 E	97.3	76.1
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	0.4	0.755	<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	2.76	37.5	<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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR-7</b>	<b>RR-7</b>	<b>RR-7</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>10/31/2018</b>	<b>3/3/2020</b>	<b>5/5/2021</b>
Tert-butylbenzene	0.5	ug/L	<LOQ	<LOQ	<LOQ
Tetrachloroethene	0.5	ug/L	2.69	1.52	0.741
Toluene	0.5	ug/L	<LOQ	<LOQ	<LOQ
trans-1,2-dichloroethene	0.5	ug/L	2	1.84	0.889
trans-1,3-dichloropropene	0.5	ug/L	<LOQ	<LOQ	<LOQ
Trichloroethene	0.5	ug/L	2.36	2.41	1.24
Trichlorofluoromethane	0.5	ug/L	<LOQ	<LOQ	<LOQ
Vinyl chloride	0.5	ug/L	15.1	12.8	11.4

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001  
 Post Closure Monitoring and Sampling Report, Table7 (RR-L): Surface Water

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR Surface Left</b>	<b>RR Surface Left</b>	<b>RR Surface Left</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/15/2018</b>	<b>3/12/2020</b>	<b>5/6/2021</b>
Boron	100	ug/L	<LOQ	369	130
Calcium	1000	ug/L	23400	45200	27800
Iron	50	ug/L	1020	703	960
Magnesium	1000	ug/L	5210	82100	31000
Potassium	100	ug/L	1800	33100	12900
Sodium	1000	ug/L	17300	637000	230000
Aluminum	50	ug/L	639	390	504
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	16.8	20.6	18.7
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	60.8	32.9	71.1
Nickel	10	ug/L	<LOQ	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	74.3	69.4	57
BioChemical Oxygen Demand	2	mg/L	<LOQ		<LOQ
Asp Calcium by ICP-AES	1000	ug/L	23400	45200	27800
Chloride - ASP	5	mg/L	34	1525	550

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001  
Post Closure Monitoring and Sampling Report, Table7 (RR-L): Surface Water

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR Surface Left</b>	<b>RR Surface Left</b>	<b>RR Surface Left</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/15/2018</b>	<b>3/12/2020</b>	<b>5/6/2021</b>
ASP Total Cyanide	0.01	mg/L	0.01	<LOQ	0.006
Chemical Oxygen Demand	5	mg/L	18	18	14
Color, Apparent	1	units	30	30	15
ASP Hardness as Calcium Carbonate	1	mg/L	80	450	200
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	5210	82100	31000
Ammonia as N	0.05	mg/L	0.0621	0.161	0.111
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	0.0157	<LOQ
N-Nitrate Calculated	0.05	mg/L	0.53	0.542	0.414
Corrosivity/pH	0.1	units	7.8	7.62	7.95
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.004	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete
NH4 Preparation			Complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	12.8	220	74.2
Total Dissolved Solids	2	mg/L	193.3	2853	1033.3
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.4	0.642	0.431
Total Organic Carbon	0.1	mg/L as C	5.21	0.533	1.33
Turbidity	0.02	NTU	24.9	17.9	17.8
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

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001  
Post Closure Monitoring and Sampling Report, Table7 (RR-L): Surface Water

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR Surface Left</b>	<b>RR Surface Left</b>	<b>RR Surface Left</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/15/2018</b>	<b>3/12/2020</b>	<b>5/6/2021</b>
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-dichloropropane	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

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001  
 Post Closure Monitoring and Sampling Report, Table7 (RR-L): Surface Water

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR Surface Left</b>	<b>RR Surface Left</b>	<b>RR Surface Left</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/15/2018</b>	<b>3/12/2020</b>	<b>5/6/2021</b>
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
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
Methlene 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

Croton Point Sanitary Landfill Railroad 1 Landfill, NYSDEC Site #360001  
 Post Closure Monitoring and Sampling Report, Table7 (RR-L): Surface Water

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR Surface Left</b>	<b>RR Surface Left</b>	<b>RR Surface Left</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/15/2018</b>	<b>3/12/2020</b>	<b>5/6/2021</b>
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 7 (RR-R): Surface Water

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR Surface Right</b>	<b>RR Surface Right</b>	<b>RR Surface Right</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/15/2018</b>	<b>3/12/2020</b>	<b>5/6/2021</b>
Boron	100	ug/L	<LOQ	406	166
Calcium	1000	ug/L	23900	50700	27600
Iron	50	ug/L	1080	839	657
Magnesium	1000	ug/L	5330	91200	30800
Potassium	100	ug/L	1790	37200	10800
Sodium	1000	ug/L	17200	691000	229000
Aluminum	50	ug/L	686	475	335
Antimony	20	ug/L	<LOQ	<LOQ	<LOQ
Arsenic	10	ug/L	<LOQ	<LOQ	<LOQ
Barium	10	ug/L	18.3	24.3	32.9
Beryllium	10	ug/L	<LOQ	<LOQ	<LOQ
Cadmium	10	ug/L	<LOQ	<LOQ	<LOQ
Chromium	10	ug/L	<LOQ	<LOQ	<LOQ
Cobalt	10	ug/L	<LOQ	<LOQ	<LOQ
Copper	50	ug/L	<LOQ	<LOQ	<LOQ
Lead	10	ug/L	<LOQ	<LOQ	<LOQ
Manganese	10	ug/L	64.1	42.3	49.3
Nickel	10	ug/L	28.7	<LOQ	<LOQ
Selenium	20	ug/L	<LOQ	<LOQ	<LOQ
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	72.9	69.8	57
BioChemical Oxygen Demand	2	mg/L	<LOQ	3	<LOQ
Asp Calcium by ICP-AES	1000	ug/L	23900	50700	27600
Chloride - ASP	5	mg/L	33	1525	540

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR Surface Right</b>	<b>RR Surface Right</b>	<b>RR Surface Right</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/15/2018</b>	<b>3/12/2020</b>	<b>5/6/2021</b>
ASP Total Cyanide	0.01	mg/L	0.01	<LOQ	0.006
Chemical Oxygen Demand	5	mg/L	13	16	13
Color, Apparent	1	units	25	20	5
ASP Hardness as Calcium Carbonate	1	mg/L	82	500	200
Hexavalent Chromium, ASP	40	ug/L	<LOQ	<LOQ	<LOQ
ASP Mercury	0.2	ug/L	<LOQ	<LOQ	<LOQ
ASP Magnesium	1000	ug/L	5330	91200	30800
Ammonia as N	0.05	mg/L	0.0608	0.156	0.0888
Nitrite Nitrogen as N	0.01	mg/L	<LOQ	0.0145	<LOQ
N-Nitrate Calculated	0.05	mg/L	0.515	0.548	0.436
Corrosivity/pH	0.1	units	7.87	7.66	7.88
Phenolics, Total Recoverable	0.025	mg/L	<LOQ	0.008	Not Detected
ASP Metal Digestion - Aqueous			Complete	Complete	Complete
NH4 Preparation			Complete	Complete	Complete
Sulfate, Aqueous	1	mg/L	12.6	215	75.2
Total Dissolved Solids	2	mg/L	126.7	2687	840
Total Kjeldahl nitrogen as N-ASP	0.5	mg/L	0.395	0.675	0.572
Total Organic Carbon	0.1	mg/L as C	5.24	0.578	1.12
Turbidity	0.02	NTU	24.5	17.2	14.4
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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR Surface Right</b>	<b>RR Surface Right</b>	<b>RR Surface Right</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/15/2018</b>	<b>3/12/2020</b>	<b>5/6/2021</b>
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-dichloropropane	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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR Surface Right</b>	<b>RR Surface Right</b>	<b>RR Surface Right</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/15/2018</b>	<b>3/12/2020</b>	<b>5/6/2021</b>
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
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

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

<b>Constituent:</b>	<b>DL/LOQ</b>	<b>Units</b>	<b>RR Surface Right</b>	<b>RR Surface Right</b>	<b>RR Surface Right</b>
<b>Sampling Period:</b>			<b>2018</b>	<b>2020</b>	<b>2021</b>
<b>Sampling Date:</b>			<b>11/15/2018</b>	<b>3/12/2020</b>	<b>5/6/2021</b>
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

*REPORT OF ANALYSIS*

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK

Received By : JLM

CROTON, NY 10520

Bottle No : S0284 C0113 D1705 F696 E3320  
G5108 B187 B146 K0318 K0061  
K191 K8344 K7946 K0097

Collection Point : RINSE BLK

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 05/04/2021 AT 10:30:00AM

Submitted On : 05/04/2021 AT 11:42:00AM

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

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : DI WATER

add'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	05/20/2021	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	< LOQ		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	< LOQ		ug/L	10.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	05/20/2021	MO

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08482

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	10.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	<5		mg/L	5.0	05/07/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/10/2021	9:53 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/05/2021	11:32 am MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	05/10/2021	MO
SM20-2120B	Color, Apparent - ASP	< LOQ		units	1	05/04/2021	2:56 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	05/20/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/04/2021	3:06 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/14/2021	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/05/2021	11:23 am MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	5.99		Units	0.1	05/04/2021	2:56 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	Not Detected		mg/L	0.004	05/13/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	05/14/2021	MO
SM22-2540C	Total Dissolved Solids	30.4		mg/L	2.0	05/05/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.184J		mg/L	0.06	05/26/2021	MO

*"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr*

SW846-9060A	Total Organic Carbon - ASP	0.703		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	0.02		NTU	0.02	05/04/2021	2:56 pm JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08482

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	0.547		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	6.24		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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



# Sample No. AX08482

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

The martix spike recoveries for Tert-butylbenzene and 1,2,4-Trimethylbenzene were lower than the acceptable QC criteria. MG 7/9/21

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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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 :** RR 2S

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

**add'l Report To :**

**Received By :** JLM

**Bottle No :** S0966 E3182 B699 B585 G4682  
D1714 F637 C0126 K8926 K1257  
K1270 K7747 K1099 K1016

**Collected By :** DUVAL & STEY

**Collection Date :** 05/04/2021 AT 9:00:00AM

**Submitted On :** 05/04/2021 AT 11:42:00AM

**PWS No. :**

**Type Descriptor :**

**Source ID :** 000

**pH :**

**Free Cl2 :**

**Residual Cl2 :**

**Sample chilled on arrival ? :** YES

**Sample Type :** NP\_STRM

**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	136		ug/L	50	05/20/2021	MO
EPA 6010C	Calcium	149000		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	15800		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	64600		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	7210		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	47600		ug/L	100	05/20/2021	MO

*Matrix spike recovery for Calcium, Magnesium, Sodium, and Potassium was above acceptable QC limits due to matrix masking (high analyte value obscured spike recovery). E.M. 5/21/2021*

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	8770		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	498		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	17.4		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	47.0		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	552		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	3990		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	105		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	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

**QA Officer**

**Date Approved :** 07/12/2021

**Environmental Laboratories**

**NYS ELAP # 10108**

**(914) 231-1620**

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08483

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	37.9		ug/L	20.0	05/20/2021	MO
EPA 6020A	Zinc	75.9	J	ug/L	80.0	05/19/2021	MO

*"J" Flag - Estimated value for Zinc found below the calibration range and at or above the detection limit. RWHJr*

SM22 2320B	Alkalinity as Calcium Carbonate - ASP	>500		mg/L	5.0	05/07/2021	MO
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*Alaklinity result beyond titrametric range of instrument, upper limit reported*

SM22-5210B	Biochemical Oxygen Demand	2.80		mg/L	2	05/10/2021	9:53 am	MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/05/2021	11:32 am	MO
EPA 6010C	ASP Calcium by ICP-AES	149000		ug/L	1000	05/20/2021		MO
SW846/9253	Chloride - ASP	105		mg/L	25.0	05/25/2021		MO
SW846-9012A	ASP Total Cyanide	0.005		mg/L	0.005	05/12/2021		MO
HACH 8000	Chemical Oxygen Demand - ASP	75		mg/L	5.0	05/10/2021		MO
SM20-2120B	Color, Apparent - ASP	50		units	5	05/04/2021	2:56 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	640		mg/L	1	05/21/2021		MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/04/2021	3:06 pm	MO
SW846-7470A	ASP Mercury	0.275		ug/L	0.20	05/14/2021		MO
SW846-6010C	ASP Magnesium	64600		ug/L	1000	05/20/2021		MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	05/21/2021		MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/05/2021	11:23 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	05/21/2021		MO
EPA 9040C	Corrosivity/pH	6.79		Units	0.1	05/04/2021	2:56 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	Not Detected		mg/L	0.004	05/13/2021		MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021		MO
40CFR136	NH4 Preparation	Completed				05/20/2021		RH

*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				05/24/2021		MO
SW846/9056A	Sulfate, Aqueous - ASP	57.0		mg/L	5.0	05/27/2021		MO
SM22-2540C	Total Dissolved Solids	876.0		mg/L	2.0	05/05/2021		MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.492		mg/L	0.06	05/26/2021		MO
SW846-9060A	Total Organic Carbon - ASP	32.1		mg/L as C	0.25	05/20/2021		MO
EPA 180.1	Turbidity	397		NTU	0.2	05/04/2021	2:56 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021		MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021		MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021		MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021		MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021		MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08483

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	4.55		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	1.12		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	4.59		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08483

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	0.530		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

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

Sample No. **AX08484**

*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 : RR 2D

ID of Source :

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

add'l Report To :

Received By : JLM

Bottle No : S0992 E3465 B211 B889 G5065  
D1712 F83 C0105 K7890 K1130  
K8594 K0050 K5018 K0121

Collected By : DUVAL & STEY

Collection Date : 05/04/2021 AT 9:05:00AM

Submitted On : 05/04/2021 AT 11:42:00AM

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP\_STRM

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	171		ug/L	50	05/20/2021	MO
EPA 6010C	Calcium	84900		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	738		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	57400		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	5210		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	56800		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	38.0	J	ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	339		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	29.9		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	1150		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	197		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	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**

QA Officer

Date Approved : 07/12/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08484

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
<i>"J" Flag - Estimated value for Aluminum found below the calibration range and at or above the detection limit. RWHJr</i>							
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	>500		mg/L	5.0	05/07/2021	MO
<i>Alaklinity result beyond titrametric range of instrument, upper limit reported</i>							
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/10/2021 9:53 am	MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/05/2021 11:32 am	MO
EPA 6010C	ASP Calcium by ICP-AES	84900		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	90.0		mg/L	25.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	76		mg/L	5.0	05/10/2021	MO
SM20-2120B	Color, Apparent - ASP	75		units	5	05/04/2021 2:56 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	450		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/04/2021 3:06 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/14/2021	MO
SW846-6010C	ASP Magnesium	57400		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/05/2021 11:23 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	7.22		Units	0.1	05/04/2021 2:56 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	Not Detected		mg/L	0.004	05/13/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	13.3		mg/L	1.0	05/14/2021	MO
SM22-2540C	Total Dissolved Solids	720.0		mg/L	2.0	05/05/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.443		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	28.6		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	198		NTU	0.2	05/04/2021 2:56 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08484

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG

The following tentatively identified compound (TIC) is present; the concentration given is an estimate:

Dibenzofuran 13.7 ug/L

MG 6/28/21

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 S&HW matrix. RWHJr

### VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	6.00		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	2.22		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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



# Sample No. AX08484

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chlorobenzene	8.45		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	1.24		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	0.511		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	1.22		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	0.632		ug/L	0.50	05/18/2021	MG

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QA Officer

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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

Received By : JLM

CROTON, NY 10520

Bottle No : S0680 C0101 D1725 B1021 B543  
G5014 E3209 F619 K8944 K7489  
K5673 K9089 K4177 K872

Collection Point : RR1 -1 DUP

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 05/04/2021 AT 8:00:00AM

Submitted On : 05/04/2021 AT 11:42:00AM

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

PWS No. :

Type Descriptor : Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP\_STRM

add'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	91.1		ug/L	50	05/20/2021	MO
EPA 6010C	Calcium	123000		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	8060		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	58600		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	4890		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	17500		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	4970		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	322		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	13.4		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	1030		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	20.9		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08485

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	>500		mg/L	5.0	05/07/2021	MO
<i>Alaklinity result beyond titrametric range of instrument, upper limit reported</i>							
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/10/2021 9:53 am	MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/05/2021 11:32 am	MO
EPA 6010C	ASP Calcium by ICP-AES	123000		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	61.0		mg/L	5.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	0.005		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	6		mg/L	5.0	05/10/2021	MO
SM20-2120B	Color, Apparent - ASP	50		units	5	05/04/2021 2:56 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	550		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/04/2021 3:06 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/14/2021	MO
SW846-6010C	ASP Magnesium	58600		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/05/2021 11:23 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.0537		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	7.16		Units	0.1	05/04/2021 2:56 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	Not Detected		mg/L	0.004	05/13/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	30.1		mg/L	1.0	05/14/2021	MO
SM22-2540C	Total Dissolved Solids	642.7		mg/L	2.0	05/05/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.530		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	2.59		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	390		NTU	0.2	05/04/2021 2:56 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG

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Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08485

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG

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

Difluorochloromethane 10.6 ug/L  
 Chloroethene 10.4 ug/L  
 Fluorodichloromethane 7.56 ug/L  
 Ethyl ether 24.2 ug/L  
 (E)-1,2-dichloro-Ethylene 41.9 ug/L  
 MG 6/28/21

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 S&HW matrix. RWHJr

**VOC's in water-EPA 8260C**

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	7.10		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	1.08		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	0.450	J	ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG

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Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08485

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	0.400	J	ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	20.3		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	0.656		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	0.300	J	ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	8.98		ug/L	0.50	05/18/2021	MG

"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. 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.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

Sample No. **AX08486**

*REPORT OF ANALYSIS*

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK

Received By : JLM

CROTON, NY 10520

Bottle No : S00703 E3338 B968 B734 G4812  
D1721 F634 C0108 K8616 K8340  
K8785 K8490 K8990

Collection Point : RR1

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 05/04/2021 AT 8:00:00AM

Submitted On : 05/04/2021 AT 11:42:00AM

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

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP\_STRM

add'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	61.4		ug/L	50	05/20/2021	MO
EPA 6010C	Calcium	124000		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	18600		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	61700		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	6160		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	16700		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	10200		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	364		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	24.9		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	11.4		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	35.9	J	ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	10.2		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	1260		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	32.2		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	35.3		ug/L	20.0	05/20/2021	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**

QA Officer

Date Approved : 07/12/2021

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NYS ELAP # 10108

(914) 231-1620

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08486

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	89.5		ug/L	80.0	05/19/2021	MO
<i>"J" Flag - Estimated value for Copper found below the calibration range and at or above the detection limit. RWHJr</i>							
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	>500		mg/L	5.0	05/07/2021	MO
<i>Alaklinity result beyond titrametric range of instrument, upper limit reported</i>							
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/10/2021 9:53 am	MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/05/2021 11:32 am	MO
EPA 6010C	ASP Calcium by ICP-AES	124000		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	65.0		mg/L	5.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	5		mg/L	5.0	05/10/2021	MO
SM20-2120B	Color, Apparent - ASP	25		units	5	05/04/2021 2:56 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	560		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/04/2021 3:06 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/14/2021	MO
SW846-6010C	ASP Magnesium	61700		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/05/2021 11:23 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	7.16		Units	0.1	05/04/2021 2:56 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	Not Detected		mg/L	0.004	05/13/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	29.2		mg/L	1.0	05/14/2021	MO
SM22-2540C	Total Dissolved Solids	606.7		mg/L	2.0	05/05/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.917		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	2.54		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	195		NTU	0.2	05/04/2021 2:56 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG

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J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08486

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG

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

Difluorochloromethane 8.75 ug/L  
 Chloroethene 10.7 ug/L  
 Fluorodichloromethane 7.23 ug/L  
 Ethyl ether 16.2 ug/L  
 (E)-1,2-dichloro-Ethylene 23.4 ug/L  
 MG 6/28/21

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 S&HW matrix. RWHJr

### VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	7.28		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	1.05		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	0.450	J	ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG

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**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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



# Sample No. AX08486

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	0.350	J	ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	11.3		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	10.7		ug/L	0.50	05/18/2021	MG

"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. 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**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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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

Received By : JLM

CROTON, NY 10520

Bottle No : S0937 E3439 B1061 B665 G5003  
D1730 F170 C0110 K0277 K8529  
K6897 K8896 K8836 K858

Collection Point : RR4

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 05/04/2021 AT 10:00:00AM

Submitted On : 05/04/2021 AT 11:42:00AM

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

PWS No. :  
Type Descriptor : Source ID : 000

pH :  
Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP\_STRM

add'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	05/20/2021	MO
EPA 6010C	Calcium	53700		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	7770		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	19400		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	4990		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	15900		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	2020		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	172		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	3890		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	10.4		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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NYS ELAP # 10108

(914) 231-1620

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08487

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	200		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	23		mg/L	5.0	05/07/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/10/2021	9:53 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/05/2021	11:32 am MO
EPA 6010C	ASP Calcium by ICP-AES	53700		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	31.0		mg/L	5.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	0.011		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	8		mg/L	5.0	05/10/2021	MO
SM20-2120B	Color, Apparent - ASP	75		units	5	05/04/2021	2:56 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	210		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/04/2021	3:06 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/14/2021	MO
SW846-6010C	ASP Magnesium	19400		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0159		mg/L	0.01	05/05/2021	11:23 am MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.337		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	7.20		Units	0.1	05/04/2021	2:56 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	Not Detected		mg/L	0.004	05/13/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	21.7		mg/L	1.0	05/14/2021	MO
SM22-2540C	Total Dissolved Solids	236.0		mg/L	2.0	05/05/2021	MO

*Sample and duplicate's precision is outside the 5% RPD method range. CM 5/6/21*

SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.911		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	3.93		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	165		NTU	0.2	05/04/2021	2:56 pm JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG

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**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. **AX08487**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

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

# Sample No. **AX08487**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

Sample No. **AX08588**

*REPORT OF ANALYSIS*

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK

Received By : SM JLM

CROTON, NY 10520

Bottle No : S0360 D1426 C0153 F55 B728  
B1085 E3428 G4639 K8665 K8898  
K1216 K3197 K8935 K8489

Collection Point : RINSE BLK

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 05/05/2021 AT 9:45:00AM

Submitted On : 05/05/2021 AT 10:28:00AM

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

PWS No. :

Type Descriptor : Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : DI WATER

add'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	05/20/2021	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	< LOQ		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	< LOQ		ug/L	10.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	05/20/2021	MO

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08588

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	<5		mg/L	5.0	05/07/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/12/2021 9:30 am	MO

*Dilution water blank exceeds 0.2 mg/L.*

**KA 5/17/2021**

SM21-5210B	ASP BOD Set Date and Time	Completed				05/07/2021 12:16 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	05/10/2021	MO
SM20-2120B	Color, Apparent - ASP	< LOQ		units	1	05/05/2021 3:14 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	05/20/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/05/2021 2:03 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/14/2021	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/06/2021 11:55 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	5.99		Units	0.1	05/05/2021 2:36 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	Not Detected		mg/L	0.004	05/13/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	05/14/2021	MO
SM22-2540C	Total Dissolved Solids	12.4		mg/L	2.0	05/06/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.282		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	0.776		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	0.06		NTU	0.02	05/05/2021 3:14 pm	JLM

**Organics**

**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG

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**Approved By** Robert Hilbrandt      **QA Officer**      **Date Approved :** 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08588

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	0.632		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	5.96		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG

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**

QA Officer

Date Approved : 07/12/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1772

EMAIL 7/12/2021

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



# Sample No. **AX08588**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

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**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

Sample No. **AX08589**

*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 :** RR 7

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

**add'l Report To :**

**Received By :** SM JLM

**Bottle No :** S0990 C0111 F720 D1710 G4874  
B858 B458 E3429 K5799 K6588  
K8719 K5666 K4181 K5876

**Collected By :** DUVAL & STEY

**Collection Date :** 05/05/2021 AT 9:30:00AM

**Submitted On :** 05/05/2021 AT 10:28:00AM

**PWS No. :**

**Type Descriptor :**

**Source ID :** 000

**pH :**

**Free Cl2 :**

**Residual Cl2 :**

**Sample chilled on arrival ? :** YES

**Sample Type :** NP\_STRM

**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	05/20/2021	MO
EPA 6010C	Calcium	197000		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	5390		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	97000		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	6720		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	6510		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	842		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	751		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	4350		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	15.5		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

**Approved By** Robert Hilbrandt

**QA Officer**

**Date Approved :** 07/12/2021

**Environmental Laboratories**

**NYS ELAP # 10108**

**(914) 231-1620**

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08589

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	>500		mg/L	5.0	05/10/2021	MO
<i>Alkalinity result beyond titrametric range of instrument, upper limit reported</i>							
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/12/2021 9:30 am	MO
<i>Dilution water blank exceeds 0.2 mg/L.</i>							
<i>KA 5/17/2021</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed				05/07/2021 12:16 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	197000		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	16.0		mg/L	5.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	8		mg/L	5.0	05/10/2021	MO
SM20-2120B	Color, Apparent - ASP	10		units	1	05/05/2021 3:14 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	890		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/05/2021 2:03 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/14/2021	MO
SW846-6010C	ASP Magnesium	97000		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/06/2021 11:55 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.0567		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	6.66		Units	0.1	05/05/2021 2:36 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	Not Detected		mg/L	0.004	05/13/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	34.5		mg/L	1.0	05/14/2021	MO
SM22-2540C	Total Dissolved Solids	946.0		mg/L	2.0	05/06/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.489		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	3.68		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	22.1		NTU	0.04	05/05/2021 3:14 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08589

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG

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

Choroethene 11.0 ug/L

Ethyl ether 42.5 ug/L

Methylal 7.94 ug/L

(E)-1,2-dichloro-Ethylene 189 ug/L

MG 6/28/21

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 S&HW matrix. RWHJr

### VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	3.21		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	0.310	J	ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	2.21		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	1.45		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG

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J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08589

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	76.1		ug/L	1.00	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	0.741		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	0.889		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	1.24		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	11.4		ug/L	0.50	05/18/2021	MG

"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

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LOQ = Limit of Quantitation

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H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

Sample No. **AX08590**

*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 :** RR 3

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

**add'l Report To :**

**Received By :** SM JLM

**Bottle No :** S0714 C0109 F8 D1727 G4755  
B775 372 E3462 K0232 K3184  
K0888 K0058 K0390 K0823

**Collected By :** DUVAL & STEY

**Collection Date :** 05/05/2021 AT 7:30:00AM

**Submitted On :** 05/05/2021 AT 10:28:00AM

**PWS No. :**

**Type Descriptor :**

**Source ID :** 000

**pH :**

**Free Cl2 :**

**Residual Cl2 :**

**Sample chilled on arrival ? :** YES

**Sample Type :** NP\_STRM

**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	05/20/2021	MO
EPA 6010C	Calcium	85300		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	6150		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	24400		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	4310		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	133000		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	584		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	14.1		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	345		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	1330		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	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

**QA Officer**

**Date Approved :** 07/12/2021

**Environmental Laboratories**

**NYS ELAP # 10108**

**(914) 231-1620**

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08590

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	447		mg/L	5.0	05/10/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/12/2021 9:30 am	MO

*Dilution water blank exceeds 0.2 mg/L.*

**KA 5/17/2021**

SM21-5210B	ASP BOD Set Date and Time	Completed				05/07/2021 12:16 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	85300		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	180		mg/L	25.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	0.011		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	6		mg/L	5.0	05/10/2021	MO
SM20-2120B	Color, Apparent - ASP	5		units	1	05/05/2021 3:14 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	310		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/05/2021 2:03 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/14/2021	MO
SW846-6010C	ASP Magnesium	24400		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.185		mg/L	0.01	05/06/2021 11:55 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	2.20		mg/L	0.25	05/21/2021	MO
EPA 9040C	Corrosivity/pH	7.37		Units	0.1	05/05/2021 2:36 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	Not Detected		mg/L	0.004	05/13/2021	MO
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*Matrix spike recovery below acceptable QC limits due to possible sample matrix interferences.*

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	48.4		mg/L	1.0	05/14/2021	MO

*Matrix spike recovery above acceptable QC limits due to possible sample matrix interferences.*

SM22-2540C	Total Dissolved Solids	744.0		mg/L	2.0	05/06/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.417		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	1.22		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	28.8		NTU	0.02	05/05/2021 3:14 pm	JLM

**Organics**

**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG

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**Approved By** Robert Hilbrandt      **QA Officer**      **Date Approved :** 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08590

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG

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H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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



# Sample No. **AX08590**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

Sample No. **AX08591**

*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 :** RR 5

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

**add'l Report To :**

**Received By :** SM JLM

**Bottle No :** S0594 C0114 F623 D1729 G5148  
B1276 B1013 E3135 K8492 K8499  
K8763 K0835 K8597 K83

**Collected By :** DUVAL & STEY

**Collection Date :** 05/05/2021 AT 7:50:00AM

**Submitted On :** 05/05/2021 AT 10:28:00AM

**PWS No. :**

**Type Descriptor :**

**Source ID :** 000

**pH :**

**Free Cl2 :**

**Residual Cl2 :**

**Sample chilled on arrival ? :** YES

**Sample Type :** NP\_STRM

**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	52.7		ug/L	50	05/20/2021	MO
EPA 6010C	Calcium	103000		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	4350		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	18200		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	4880		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	20800		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	111		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	158		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	1200		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	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

**QA Officer**

**Date Approved :** 07/12/2021

**Environmental Laboratories**

**NYS ELAP # 10108**

**(914) 231-1620**

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08591

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	366		mg/L	5.0	05/10/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/12/2021 9:30 am	MO

*Dilution water blank exceeds 0.2 mg/L.*

*KA 5/17/2021*

SM21-5210B	ASP BOD Set Date and Time	Completed				05/07/2021 12:16 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	103000		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	21.0		mg/L	5.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	0.006		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	13		mg/L	5.0	05/10/2021	MO
SM20-2120B	Color, Apparent - ASP	15		units	1	05/05/2021 3:14 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	330		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/05/2021 2:03 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/14/2021	MO
SW846-6010C	ASP Magnesium	18200		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	0.201		mg/L	0.05	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0306		mg/L	0.01	05/07/2021 11:55 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.368		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	7.10		Units	0.1	05/05/2021 2:36 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	Not Detected		mg/L	0.004	05/13/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	30.2		mg/L	1.0	05/14/2021	MO
SM22-2540C	Total Dissolved Solids	480.0		mg/L	2.0	05/06/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.881		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	5.31		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	24.6		NTU	0.02	05/05/2021 3:14 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG

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Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08591

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

**Approved By** *Robert Hilbrandt*      **QA Officer**      **Date Approved :** 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. **AX08591**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

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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 :** RR 6

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

**add'l Report To :**

**Received By :** SM JLM

**Bottle No :** S0782 C0123 F422 D1707 G4689  
B754 B790 E3111 K0402 K6169  
K0327 K1606 K0323 K0102

**Collected By :** DUVAL & STEY

**Collection Date :** 05/05/2021 AT 8:45:00AM

**Submitted On :** 05/05/2021 AT 10:28:00AM

**PWS No. :**

**Type Descriptor :**

**Source ID :** 000

**pH :**

**Free Cl2 :**

**Residual Cl2 :**

**Sample chilled on arrival ? :** YES

**Sample Type :** NP\_STRM

**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	05/20/2021	MO
EPA 6010C	Calcium	135000		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	3820		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	36700		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	4420		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	6420		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	255		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	270		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	3320		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO

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J=value is an estimate

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**Approved By** Robert Hilbrandt

**QA Officer**

**Date Approved :** 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08592

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	495		mg/L	5.0	05/10/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/12/2021 9:30 am	MO

*Dilution water blank exceeds 0.2 mg/L.*

*KA 5/17/2021*

SM21-5210B	ASP BOD Set Date and Time	Completed				05/07/2021 12:16 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	135000		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	5.00		mg/L	5.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	0.007		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	4	J	mg/L	5.0	05/10/2021	MO

*Sample and duplicate's precision is outside the 20% RPD method range. CM 5/12/21*

SM20-2120B	Color, Apparent - ASP	15		units	1	05/05/2021 3:14 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	490		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/05/2021 2:03 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/14/2021	MO
SW846-6010C	ASP Magnesium	36700		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0944		mg/L	0.01	05/06/2021 11:55 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	1.14		mg/L	0.1	05/21/2021	MO
EPA 9040C	Corrosivity/pH	6.96		Units	0.1	05/05/2021 2:36 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	Not Detected		mg/L	0.004	05/13/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	54.1		mg/L	5.0	05/27/2021	MO
SM22-2540C	Total Dissolved Solids	658.0		mg/L	2.0	05/06/2021	MO

*Sample and duplicate's precision is outside the 5% RPD method range. CM 5/7/21*

SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.523		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	2.48		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	23.1		NTU	0.02	05/05/2021 3:14 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08592

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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**(914) 231-1620**

Report Number: 1772

EMAIL 7/12/2021

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



# Sample No. AX08592

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	2.06		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	0.849		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	0.260	J	ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. 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.

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

Sample No. **AX08665**

*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 :** VA  
**Bottle No :** S0762 C0100 F325 D1720 G4897  
B619 216 E3334 Kx6

**Collection Point :** RFW-1S

**Collected By :** STEY & DUVAL  
**Collection Date :** 05/06/2021 AT 9:00:00AM  
**Submitted On :** 05/06/2021 AT 11:09:00AM

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

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

**add'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	448		ug/L	50	05/20/2021	MO
EPA 6010C	Calcium	125000		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	52200		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	45300		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	10200		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	58400		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	1080		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	13.8		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	2760		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	21.0		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	211		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	1090		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	237		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	28.0		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	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

**QA Officer**

**Date Approved :** 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08665

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	918		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	>500		mg/L	5.0	05/10/2021	MO
<i>Alkalinity result beyond titrametric range of instrument, upper limit reported</i>							
SM22-5210B	Biochemical Oxygen Demand	2.10		mg/L	2	05/12/2021 9:30 am	MO
<i>Dilution water blank exceeds 0.2 mg/L.</i>							
<i>KA 5/17/2021</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed				05/07/2021 12:16 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	125000		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	115		mg/L	25.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	0.012		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	72		mg/L	5.0	05/18/2021	MO
SM20-2120B	Color, Apparent - ASP	150		units	10	05/06/2021 3:00 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	500		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/06/2021 3:08 pm	MO
SW846-7470A	ASP Mercury	3.82		ug/L	0.20	05/14/2021	MO
SW846-6010C	ASP Magnesium	45300		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	12.9		mg/L	1.00	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/07/2021 1:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	6.79		Units	0.1	05/06/2021 2:50 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	Not Detected		mg/L	0.004	05/13/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/30/2021	RH
SW846/9056A	Sulfate, Aqueous - ASP	1.48		mg/L	1.0	05/14/2021	MO
SM22-2540C	Total Dissolved Solids	752.0		mg/L	2.0	05/10/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	16.9		mg/L	1.20	06/01/2021	MO
SW846-9060A	Total Organic Carbon - ASP	7.13		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	332		NTU	0.2	05/06/2021 3:00 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	137		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG

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Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08665

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08665

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

The following tentatively identified compound (TIC) is present; the concentration given is an estimate:

Acetone 137 ug/L

MG 7/9/21

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 S&HW matrix. 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**

QA Officer

Date Approved : 07/12/2021

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

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EMAIL 7/12/2021

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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 :** VA  
**Bottle No :** S0619 C0125 F280 D1709 G5151  
B1007 988 E3308 Kx6

**Collection Point :** RFW-1D

**Collected By :** STEY & DUVAL  
**Collection Date :** 05/06/2021 AT 9:30:00AM  
**Submitted On :** 05/06/2021 AT 11:09:00AM

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

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

**add'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	962		ug/L	50	05/20/2021	MO
EPA 6010C	Calcium	165000		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	2210		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	379000		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	141000		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	1910000		ug/L	100	06/03/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	< LOQ		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	98.3		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	89.7		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	1670		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	23.0		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	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** Robert Hilbrandt

**QA Officer**

**Date Approved :** 07/12/2021

**Environmental Laboratories**

**NYS ELAP # 10108**

**(914) 231-1620**

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08666

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	>500		mg/L	5.0	05/10/2021	MO
<i>Alkalinity result beyond titrametric range of instrument, upper limit reported</i>							
SM22-5210B	Biochemical Oxygen Demand	4.40		mg/L	2	05/12/2021 9:30 am	MO
<i>Test replicates showing large differences between the computed CBOD for high and low dilutions (&gt;30% RPD) may indicate the presence of toxic substances {SM22 5210B-7.b.}.</i>							
<i>Dilution water blank exceeds 0.2 mg/L.</i>							
<i>KA 5/17/2021</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed				05/07/2021 12:16 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	165000		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	3780		mg/L	125	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	0.018		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	270		mg/L	50	05/20/2021	MO
SM20-2120B	Color, Apparent - ASP	70		units	2	05/06/2021 3:00 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	2000		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/06/2021 3:08 pm	MO
SW846-7470A	ASP Mercury	0.224		ug/L	0.20	05/14/2021	MO
SW846-6010C	ASP Magnesium	379000		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	87.2		mg/L	4.50	06/02/2021	MO

*Matrix spike recovery below acceptable QC limits due to possible sample matrix interferences.*

*ka 6/3/21*

SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/07/2021 1:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	7.24		Units	0.1	05/06/2021 2:50 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	0.010J		mg/L	0.004	05/20/2021	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				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				06/02/2021	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				05/30/2021	RH
SW846/9056A	Sulfate, Aqueous - ASP	1.46		mg/L	1.0	05/14/2021	MO
SM22-2540C	Total Dissolved Solids	7500.0		mg/L	2.0	05/10/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	110		mg/L	6.00	06/02/2021	MO
SW846-9060A	Total Organic Carbon - ASP	6.61		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	27		NTU	0.04	05/06/2021 3:00 pm	JLM

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

**Approved By** Robert Hilbrandt      **QA Officer**      **Date Approved :** 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08666

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
<b>Organics</b>							
<b>VOCs by 8260C Baseline Expanded</b>							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

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



# Sample No. AX08666

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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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 :** VA  
**Bottle No :** S0960 C0107 D1722 B462 922  
E3305 F407 G4537 Kx6

**Collection Point :** SURFACE RR LEFT

**Collected By :** STEY & DUVAL  
**Collection Date :** 05/06/2021 AT 7:20:00AM  
**Submitted On :** 05/06/2021 AT 11:09:00AM

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

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

**add'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	130		ug/L	50	05/20/2021	MO
EPA 6010C	Calcium	27800		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	960		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	31000		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	12900		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	230000		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	504		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	18.7		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	71.1		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO

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H = exceeds holding time

**Approved By** Robert Hilbrandt

**QA Officer**

**Date Approved :** 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08667

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	57		mg/L	5.0	05/10/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/12/2021 9:30 am	MO

*Dilution water blank exceeds 0.2 mg/L.*

*KA 5/17/2021*

SM21-5210B	ASP BOD Set Date and Time	Completed				05/07/2021 12:16 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	27800		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	550		mg/L	50.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	0.006		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	14		mg/L	5.0	05/18/2021	MO
SM20-2120B	Color, Apparent - ASP	15		units	1	05/06/2021 3:00 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	200		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/06/2021 3:08 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/18/2021	MO
SW846-6010C	ASP Magnesium	31000		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	0.111		mg/L	0.05	06/02/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/07/2021 1:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.414		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	7.95		Units	0.1	05/06/2021 2:50 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	0.008J		mg/L	0.004	05/20/2021	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				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				06/02/2021	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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	74.2		mg/L	5.0	05/27/2021	MO
SM22-2540C	Total Dissolved Solids	1033.3		mg/L	2.0	05/10/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.431		mg/L	0.06	06/01/2021	MO
SW846-9060A	Total Organic Carbon - ASP	1.33		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	17.8		NTU	0.02	05/06/2021 3:00 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG

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**Approved By** Robert Hilbrandt      **QA Officer**      **Date Approved :** 07/12/2021

**Environmental Laboratories**  
**NYS ELAP # 10108**  
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Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08667

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08667

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

Sample No. **AX08668**

*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 :** VA  
**Bottle No :** S0418 D1706 C0106 B1036 B694  
F305 E3460 G5072 Kx6

**Collection Point :** SURFACE RR RIGHT

**Collected By :** STEY & DUVAL  
**Collection Date :** 05/06/2021 AT 7:15:00AM  
**Submitted On :** 05/06/2021 AT 11:09:00AM

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

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

**add'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	166		ug/L	50	05/20/2021	MO
EPA 6010C	Calcium	27600		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	657		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	30800		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	10800		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	229000		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	335		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	32.9		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	49.3		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

**Approved By** Robert Hilbrandt

**QA Officer**

**Date Approved :** 07/12/2021

**Environmental Laboratories**

**NYS ELAP # 10108**

**(914) 231-1620**

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08668

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	57		mg/L	5.0	05/11/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/12/2021 9:30 am	MO

*Dilution water blank exceeds 0.2 mg/L.*

*KA 5/17/2021*

SM21-5210B	ASP BOD Set Date and Time	Completed				05/07/2021 12:16 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	27600		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	540		mg/L	50.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	0.006		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	13		mg/L	5.0	05/18/2021	MO
SM20-2120B	Color, Apparent - ASP	5		units	1	05/06/2021 3:00 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	200		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/06/2021 3:08 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/18/2021	MO
SW846-6010C	ASP Magnesium	30800		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	0.0888		mg/L	0.05	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/07/2021 1:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.436		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	7.88		Units	0.1	05/06/2021 2:50 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	Not Detected		mg/L	0.004	05/20/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	75.2		mg/L	5.0	05/27/2021	MO
SM22-2540C	Total Dissolved Solids	840.0		mg/L	2.0	05/10/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.572		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	1.12		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	14.4		NTU	0.02	05/06/2021 3:00 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG

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Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08668

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG

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J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1772

EMAIL 7/12/2021

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



# Sample No. **AX08668**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

Sample No. **AX08669**

**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 :** VA  
**Bottle No :** S0699 C0124 D1711 B945 1010  
E3161 F707 G4659 Kx6

**Collection Point :** BEACH LEFT

**Collected By :** STEY & DUVAL  
**Collection Date :** 05/06/2021 AT 7:30:00AM  
**Submitted On :** 05/06/2021 AT 11:09:00AM

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

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

**add'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	149		ug/L	50	05/20/2021	MO
EPA 6010C	Calcium	27300		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	1410		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	29700		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	10600		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	221000		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	651		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	17.0		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	75.7		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

**Approved By** Robert Hilbrandt

**QA Officer**

**Date Approved :** 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08669

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	58		mg/L	5.0	05/11/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/12/2021 9:30 am	MO

*Dilution water blank exceeds 0.2 mg/L.*

*KA 5/17/2021*

SM21-5210B	ASP BOD Set Date and Time	Completed				05/07/2021 12:16 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	27300		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	510		mg/L	50.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	0.005		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	11		mg/L	5.0	05/18/2021	MO
SM20-2120B	Color, Apparent - ASP	15		units	1	05/06/2021 3:00 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	190		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/06/2021 3:08 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/18/2021	MO
SW846-6010C	ASP Magnesium	29700		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	05/21/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/07/2021 1:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.428		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	7.84		Units	0.1	05/06/2021 2:50 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	Not Detected		mg/L	0.004	05/20/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/20/2021	RH

*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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	70.4		mg/L	5.0	05/27/2021	MO
SM22-2540C	Total Dissolved Solids	876.0		mg/L	2.0	05/10/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.547		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	1.10		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	31.3		NTU	0.02	05/06/2021 3:00 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

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

# Sample No. AX08669

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG

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J=value is an estimate

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08669

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

Sample No. **AX08670**

*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 :** VA  
**Bottle No :** S0412 D1728 C0115 F359 E3257  
B430 675 G4681 Kx6

**Collection Point :** BEACH RIGHT

**Collected By :** STEY & DUVAL  
**Collection Date :** 05/06/2021 AT 8:00:00AM  
**Submitted On :** 05/06/2021 AT 11:09:00AM

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

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

**add'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	142		ug/L	50	05/20/2021	MO
EPA 6010C	Calcium	27800		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	1180		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	29900		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	10700		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	222000		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	577		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	16.5		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	63.9		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO

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J=value is an estimate

H = exceeds holding time

**Approved By** Robert Hilbrandt

**QA Officer**

**Date Approved :** 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08670

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	56		mg/L	5.0	05/11/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/12/2021 9:30 am	MO

*Dilution water blank exceeds 0.2 mg/L.*

*KA 5/17/2021*

SM21-5210B	ASP BOD Set Date and Time	Completed				05/07/2021 12:16 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	27800		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	510		mg/L	50.0	05/25/2021	MO
SW846-9012A	ASP Total Cyanide	0.005		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	11		mg/L	5.0	05/18/2021	MO
SM20-2120B	Color, Apparent - ASP	10		units	1	05/06/2021 3:00 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	190		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/06/2021 3:08 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/18/2021	MO
SW846-6010C	ASP Magnesium	29900		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	0.118		mg/L	0.05	05/27/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/07/2021 1:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.454		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	7.84		Units	0.1	05/06/2021 2:50 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	Not Detected		mg/L	0.004	05/20/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/26/2021	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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	70.7		mg/L	5.0	05/27/2021	MO
SM22-2540C	Total Dissolved Solids	844.0		mg/L	2.0	05/10/2021	MO

*Sample and duplicate's precision is outside the 5% RPD method range. CM 5/12/21*

SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.359		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	1.10		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	26.2		NTU	0.02	05/06/2021 3:00 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG

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Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08670

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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



# Sample No. **AX08670**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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

Sample No. **AX08671**

*REPORT OF ANALYSIS*

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK

Received By : VA

CROTON, NY 10520

Bottle No : S0733 D1683 C0148 B944 1062  
F718 G4908 E3324 Kx6

Collection Point : RINSE BLANK

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 05/06/2021 AT 10:15:00AM

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

Submitted On : 05/06/2021 AT 11:09:00AM

PWS No. :

Type Descriptor : Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : SW\_WATER

add'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	61.6		ug/L	50	05/20/2021	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	< LOQ		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	< LOQ		ug/L	10.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	05/20/2021	MO

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QA Officer

Date Approved : 07/12/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1772

EMAIL 7/12/2021

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

# Sample No. AX08671

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	<LOQ		mg/L	5.0	05/11/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/12/2021 9:30 am	MO

*Dilution water blank exceeds 0.2 mg/L.*

*KA 5/17/2021*

SM21-5210B	ASP BOD Set Date and Time	Completed				05/07/2021 12:16 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	05/25/2021	MO

*Matrix spike recovery above acceptable QC limits due to possible sample matrix interferences.*

SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	05/12/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	05/18/2021	MO
SM20-2120B	Color, Apparent - ASP	< LOQ		units	1	05/06/2021 3:00 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	05/20/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/06/2021 3:08 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/18/2021	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	0.201		mg/L	0.05	05/27/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/07/2021 1:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	7.68		Units	0.1	05/06/2021 2:50 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	Not Detected		mg/L	0.004	05/20/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/26/2021	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				05/24/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	05/14/2021	MO
SM22-2540C	Total Dissolved Solids	7.2		mg/L	2.0	05/10/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	< LOQ		mg/L	0.06	05/26/2021	MO
SW846-9060A	Total Organic Carbon - ASP	0.729		mg/L as C	0.25	05/20/2021	MO
EPA 180.1	Turbidity	0.02		NTU	0.02	05/06/2021 3:00 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/13/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/13/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/13/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/13/2021	MG

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Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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# Sample No. AX08671

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/13/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/13/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/13/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromodichloromethane	0.516		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloroform	6.15		ug/L	0.50	05/18/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/12/2021

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

Report Number: 1772

EMAIL 7/12/2021

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# Sample No. AX08671

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/18/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/18/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/18/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/18/2021	MG

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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

**Collection Point :** RINSE BLK

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

**add'l Report To :**

**Received By :** SM JLM

**Bottle No :** S0573 C0157 D1623 F139 G5032  
E3325 B560 B246 K0316 K1211  
K1208 K8871 K0817 K8638

**Collected By :** STEY & DUVAL

**Collection Date :** 05/11/2021 AT 10:15:00AM

**Submitted On :** 05/11/2021 AT 11:36:00AM

**PWS No. :**

**Type Descriptor :**

**Source ID :** 000

**pH :**

**Free Cl2 :**

**Residual Cl2 :**

**Sample chilled on arrival ? :** YES

**Sample Type :** DI WATER

**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	05/20/2021	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	05/20/2021	MO
EPA 6010C	Iron	< LOQ		ug/L	50	05/20/2021	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	05/20/2021	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	05/20/2021	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	05/20/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	05/20/2021	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	05/20/2021	MO

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

**Approved By** Robert Hilbrandt

**QA Officer**

**Date Approved :** 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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# Sample No. AX08973

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	<5		mg/L	5.0	05/17/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/17/2021	8:55 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/12/2021	11:59 am MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	05/20/2021	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	06/02/2021	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	05/14/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	05/20/2021	MO
SM20-2120B	Color, Apparent - ASP	< LOQ		units	1	05/11/2021	2:37 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	05/20/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/11/2021	2:53 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/18/2021	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	05/20/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	05/27/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/12/2021	12:48 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	6.39		Units	0.1	05/11/2021	3:29 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	Not Detected		mg/L	0.004	05/20/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				05/26/2021	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				05/30/2021	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	05/14/2021	MO
SM22-2540C	Total Dissolved Solids	8.4		mg/L	2.0	05/12/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.0797J		mg/L	0.06	06/01/2021	MO

*"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr*

SW846-9060A	Total Organic Carbon - ASP	1.06		mg/L as C	0.25	05/27/2021	MO
EPA 180.1	Turbidity	0.19		NTU	0.02	05/11/2021	2:37 pm JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/14/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/14/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/14/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/14/2021

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

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Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030C		ug/L		05/14/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/14/2021	MG
<b>VOC's in water-EPA 8260C</b>							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroform	4.23		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/19/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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**NYS ELAP # 10108**  
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# Sample No. AX08973

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/19/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/19/2021	MG

The recovery of the matrix spike of the following compounds recovered below the QC criteria, possibly due to sample matrix interferences: Ethylbenzene, p & m-Xylene, o-Xylene, Stryene, 1,1,2,2-Tetrachloroetane, n-propylbenzene, 1,2,4-Trimethylbenzene, and sec-Butylbenzene. MG 6/30/21

Bromomethane and 1,2,4-trichlorobenzene LCS recoveries exceeding the acceptable QC criteria. Established high bias on <LOQ results are valid to report. JC/RWHJr 6/29/21

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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

**Received By :** SM JLM

CROTON, NY 10520

**Bottle No :** S0646 D5005 C0135 B877 B785  
F713 E3278 G5087 H657 K8561 +  
5 I4751 + 8

**Collection Point :** LEACHATE 1 RR SUMP

**Collected By :** STEY & DUVAL

**ID of Source :**

**Collection Date :** 05/11/2021 AT 8:00:00AM

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

**Submitted On :** 05/11/2021 AT 11:36:00AM

**PWS No. :**

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

pH :

**Free Cl2 :**

**Residual Cl2 :**

**Sample chilled on arrival ? :** YES

**Sample Type :** NP\_STRM

**add'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	183		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	28.5		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	450		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	32.8		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	73.9		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	145		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	91.1		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO
EPA 6020A	Zinc	135		ug/L	80.0	05/19/2021	MO
SM22-5210B	Biochemical Oxygen Demand	122		mg/L	2	05/17/2021 8:55 am	MO

*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 5/18/21

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**Approved By** Robert Hilbrandt

**QA Officer**

**Date Approved :** 07/14/2021

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Report Number: 1813

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

# Sample No. AX08975

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SM21-5210B	ASP BOD Set Date and Time	Completed				05/12/2021 11:59 am	MO
SW846-9012A	ASP Total Cyanide	0.094		mg/L	0.005	05/14/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/11/2021 2:53 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/18/2021	MO
EPA 9040C	Corrosivity/pH	7.33		Units	0.1	05/11/2021 3:29 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	0.194		mg/L	0.004	06/07/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
SM20 2540D	Total Suspended Solids	172		mg/L	2.0	05/17/2021	MO

## Organics

### EPA8081B Pesticides - Water

SW846/8081B	4,4-DDD	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	4,4-DDE	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	4,4-DDT	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	a-BHC	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	a-Chlordane	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Aldrin	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	b-BHC	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Chlordane	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	d-BHC	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Dieldrin	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endosulfan 1	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Endosulfan 2	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endosulfan sulfate	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endrin	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endrin aldehyde	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endrin ketone	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	g-Chlordane	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Heptachlor	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Heptachlor epoxide	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Lindane	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Methoxychlor	0.144 J	J	ug/L	0.25	05/17/2021	MG
SW846/8081B	Prep. Method	EPA3510C/3620C		ug/L		05/17/2021	MG
SW846/8081B	Toxaphene	< LOQ		ug/L	12.5	05/17/2021	MG

"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

### EPA8082A - PCBs in Water

SW846/8082A	Aroclor 1016 (PCB-1016)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1221 (PCB-1221)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1232 (PCB-1232)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1242 (PCB-1242)	< LOQ		ug/L	0.50	05/17/2021	MG

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX08975

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846/8082A	Aroclor 1248 (PCB-1248)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1254 (PCB-1254)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1260 (PCB-1260)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Prep. Method	EPA3510C/3620C		ug/L		05/17/2021	MG
<b>VOCs by 8260C Baseline Expanded</b>							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/14/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/14/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/14/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/14/2021	MG

This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

**VOC's in water-EPA 8260C**

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,4-dichlorobenzene	1.51		ug/L	0.50	05/19/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

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

# Sample No. AX08975

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Benzene	0.956		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chlorobenzene	5.94		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroethane	0.250	J	ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Ethylbenzene	0.410	J	ug/L	0.50	05/19/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Naphthalene	2.04		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/19/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/19/2021	MG

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

Sample No. **AX08975**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

Bromomethane and 1,2,4-trichlorobenzene LCS recoveries exceeding the acceptable QC criteria. Established high bias on <LOQ results are valid to report. JC/RWHJr 6/29/21

"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

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

Ethyl ether 6.53 ug/L  
Tetrahydrofuran 104 ug/L  
Camphene 7.13 ug/L  
MG 6/30/21

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 S&HW matrix. RWHJr

**8270D - AE/BN in water**

SW846-8270D	1,2,4-Trichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	1,2-Dichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	1,3-Dichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	1,4-Dichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,4,6-Trichlorophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	2,4-Dichlorophenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,4-Dimethylphenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,4-Dinitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	2,4-Dinitrotoluene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,6-Dinitrotoluene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2-Chloronaphthalene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2-Chlorophenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2-Methyl-4,6-dinitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	2-Nitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	3,3'-Dichlorobenzidine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Bromophenylphenylether	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Chloro-3-methylphenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Chlorophenylphenylether	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Nitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Acenaphthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Acenaphthylene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Anthracene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Azobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzidine	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Benzo(a)anthracene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(a)pyrene	< LOQ		ug/L	5.0	05/17/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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# Sample No. AX08975

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-8270D	Benzo(b)fluoranthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(g,h,i)perylene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(k)fluoranthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzyl butyl phthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	bis(2-Chloroethoxy)methane	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	bis(2-Chloroethyl)ether	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	bis(2-Ethylhexyl)phthalate	2.06	J	ug/L	5.0	05/17/2021	MG
SW846-8270D	Chrysene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Dibenzo(a,h)anthracene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Diethylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Dimethylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Di-n-butylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Di-n-octylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Fluoranthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Fluorene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Hexachlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Hexachlorobutadiene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Hexachlorocyclopentadiene	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Hexachloroethane	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Indeno(1,2,3-cd)pyrene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Isophorone	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Naphthalene	2.20	J	ug/L	5.0	05/17/2021	MG
SW846-8270D	Nitrobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	n-Nitrosodimethylamine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	n-Nitrosodi-n-propylamine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	n-Nitrosodiphenylamine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Pentachlorophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Phenanthrene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Phenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Prep. Method	3510c		ug/L	5.0	05/17/2021	MG
SW846-8270D	Pyrene	< LOQ		ug/L	5.0	05/17/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. **AX08975**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. **RWHJr**

The matrix spike recoveries of Nitrobenzene, 4-Bromophenylphenylether, and Pyrene were above the acceptable QC criteria. The matrix spike recoveries of Benzidine and 3,3'-Dichlorobenzidine were below the acceptable QC criteria. These failures may be due to possible sample matrix interferences.

The following tentatively identified compounds are present; the concentrations given are estimates (ug/L):

- Tetramethylbutanedinitrile - 10.7
- (2,4-xylyl)-acetic acid - 19.8
- Diethyltoluamide - 19.4
- 2(3H)-Benzothiazolone - 18.4
- N-ethyl-p-toluenesulfonamide - 11.5
- n-Hexadecanoic acid - 11.4
- Octadecanoic acid - 13.4
- Bisphenol A - 11.2
- MR 06/10/21

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 S&HW matrix. **RWHJr**

EPA 1664B	Oil & Grease Total Recoverable (HEM)	97.3		mg/L	5	05/20/2021	MG
EPA 1664B	non-Polar Extractable Material (TPH)	6.82		mg/L	2.5	05/20/2021	MG

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**Approved By** *Robert Hilbrandt*      **QA Officer**      **Date Approved :** 07/14/2021

**Environmental Laboratories**  
**NYS ELAP # 10108**  
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Report Number: 1813

EMAIL 7/14/2021

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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

Received By : SM JLM

CROTON, NY 10520

Bottle No : S0524 H750 C0128 D5012 B1050  
B1245 F648 G4935 E3222 K7493  
+5 14816 +8

Collection Point : LEACHATE 1D RR SUMP

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 05/11/2021 AT 8:00:00AM

Submitted On : 05/11/2021 AT 11:36:00AM

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

PWS No. :

Type Descriptor : Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP\_STRM

add'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	473		ug/L	50.0	05/19/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	31.6		ug/L	10.0	05/20/2021	MO
EPA 6020A	Barium	511		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	13.3		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	36.0		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	120		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	171		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	104		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO
EPA 6020A	Zinc	108		ug/L	80.0	05/19/2021	MO
SM22-5210B	Biochemical Oxygen Demand	101		mg/L	2	05/17/2021 8:55 am	MO

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 5/18/21

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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. AX08976

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SM21-5210B	ASP BOD Set Date and Time	Completed				05/12/2021 11:59 am	MO
SW846-9012A	ASP Total Cyanide	0.093		mg/L	0.005	05/14/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/11/2021 2:53 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/18/2021	MO
EPA 9040C	Corrosivity/pH	7.26		Units	0.1	05/11/2021 3:29 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	0.021J		mg/L	0.004	06/07/2021	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				05/13/2021	MO
SM20 2540D	Total Suspended Solids	173		mg/L	2.0	05/17/2021	MO

## Organics

### EPA8081B Pesticides - Water

SW846/8081B	4,4-DDD	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	4,4-DDE	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	4,4-DDT	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	a-BHC	< LOQ		ug/L	0.050	05/17/2021	MG
SW846/8081B	a-Chlordane	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Aldrin	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	b-BHC	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Chlordane	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	d-BHC	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Dieldrin	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endosulfan 1	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Endosulfan 2	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endosulfan sulfate	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endrin	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endrin aldehyde	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endrin ketone	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	g-Chlordane	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Heptachlor	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Heptachlor epoxide	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Lindane	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Methoxychlor	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Prep. Method	EPA3510C/3620C		ug/L		05/17/2021	MG
SW846/8081B	Toxaphene	< LOQ		ug/L	12.5	05/17/2021	MG

The matrix spike recovery for d-BHC was below the acceptable QC criteria.

Precision as measured by MS/MSD RPD exceeded 20% QC limit, possibly due to matrix interference for the following compounds: a-BHC, Aldrin, g-Chlordane, d-BHC, 4,4-DDE, Endrin, 4,4-DDD, and Endrin aldehyde.

MG/RWHJr 6/21/21

### EPA8082A - PCBs in Water

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H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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# Sample No. AX08976

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846/8082A	Aroclor 1016 (PCB-1016)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1221 (PCB-1221)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1232 (PCB-1232)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1242 (PCB-1242)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1248 (PCB-1248)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1254 (PCB-1254)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1260 (PCB-1260)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Prep. Method	EPA3510C/3620C		ug/L		05/17/2021	MG

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/14/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/14/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/14/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/14/2021	MG

This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

### VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

Environmental Laboratories

NYS ELAP # 10108

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Report Number: 1813

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# Sample No. AX08976

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,4-dichlorobenzene	1.56		ug/L	0.50	05/19/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Benzene	1.01		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chlorobenzene	6.38		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Isopropylbenzene	0.663		ug/L	0.50	05/19/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Naphthalene	3.49		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-propylbenzene	0.410	J	ug/L	0.50	05/19/2021	MG
SW846 8260C	O-xylene	0.440	J	ug/L	0.50	05/19/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/19/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

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

# Sample No. AX08976

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/19/2021	MG
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This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

Bromomethane and 1,2,4-trichlorobenzene LCS recoveries exceeding the acceptable QC criteria. Established high bias on <LOQ results are valid to report. JC/RWHJr 6/29/21

"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

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

Ethyl ether 6.83 ug/L  
Tetrahydrofuran 110 ug/L  
Camphene 8.33ug/L  
MG 6/30/21

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 S&HW matrix. RWHJr

**8270D - AE/BN in water**

SW846-8270D	1,2,4-Trichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	1,2-Dichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	1,3-Dichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	1,4-Dichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,4,6-Trichlorophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	2,4-Dichlorophenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,4-Dimethylphenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,4-Dinitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	2,4-Dinitrotoluene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,6-Dinitrotoluene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2-Chloronaphthalene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2-Chlorophenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2-Methyl-4,6-dinitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	2-Nitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	3,3'-Dichlorobenzidine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Bromophenylphenylether	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Chloro-3-methylphenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Chlorophenylphenylether	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Nitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Acenaphthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Acenaphthylene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Anthracene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Azobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzidine	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Benzo(a)anthracene	< LOQ		ug/L	5.0	05/17/2021	MG

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<b>Approved By</b> Robert Hilbrandt	<b>QA Officer</b>	<b>Date Approved :</b> 07/14/2021
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**Environmental Laboratories**  
**NYS ELAP # 10108**  
**(914) 231-1620**

Report Number: 1813

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Sample No. **AX08976**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-8270D	Benzo(a)pyrene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(b)fluoranthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(g,h,i)perylene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(k)fluoranthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzyl butyl phthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	bis(2-Chloroethoxy)methane	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	bis(2-Chloroethyl)ether	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	bis(2-Ethylhexyl)phthalate	2.60	J	ug/L	5.0	05/17/2021	MG
SW846-8270D	Chrysene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Dibenzo(a,h)anthracene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Diethylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Dimethylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Di-n-butylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Di-n-octylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Fluoranthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Fluorene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Hexachlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Hexachlorobutadiene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Hexachlorocyclopentadiene	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Hexachloroethane	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Indeno(1,2,3-cd)pyrene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Isophorone	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Naphthalene	3.40	J	ug/L	5.0	05/17/2021	MG
SW846-8270D	Nitrobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	n-Nitrosodimethylamine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	n-Nitrosodi-n-propylamine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	n-Nitrosodiphenylamine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Pentachlorophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Phenanthrene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Phenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Prep. Method	3510c		ug/L	5.0	05/17/2021	MG
SW846-8270D	Pyrene	< LOQ		ug/L	5.0	05/17/2021	MG

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. **AX08976**

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

- 1,4-Dioxane - 15.0
- Tetramethylbutanedinitrile - 16.7
- Diethyltoluamide - 32.2
- 2(3H)-Benzothiazolone - 27.9
- N-ethyl-p-toluenesulfonamide - 15.9
- Bisphenol A - 14.9
- MR 6/10/21

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 S&HW matrix. RWHJr

EPA 1664B	Oil & Grease Total Recoverable (HEM)	26.2		mg/L	5	05/20/2021	MG
EPA 1664B	non-Polar Extractable Material (TPH)	2.90		mg/L	2.5	05/20/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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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 :** PS #2

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

**add'l Report To :**

**Received By :** SM JLM

**Bottle No :** S0944 H172 C0137 D1446 B572  
B1046 F722 E3203 G5019 K2271  
+5 14575 +8

**Collected By :** STEY & DUVAL

**Collection Date :** 05/11/2021 AT 9:15:00AM

**Submitted On :** 05/11/2021 AT 11:37:00AM

**PWS No. :**

**Type Descriptor :**

**Source ID :** 000

**pH :**

**Free Cl2 :**

**Residual Cl2 :**

**Sample chilled on arrival ? :** YES

**Sample Type :** NP\_STRM

**Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
<b>Inorganics</b>							
<b>ASP Metals by EPA 6020A</b>							
EPA 6020A	Aluminum	595		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	263		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	10.3		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	318		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	12.7		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	766		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	11.8		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO
EPA 6020A	Zinc	381		ug/L	80.0	05/19/2021	MO
SM22-5210B	Biochemical Oxygen Demand	55.0		mg/L	2	05/17/2021 8:55 am	MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/12/2021 11:59 am	MO
SW846-9012A	ASP Total Cyanide	0.026		mg/L	0.005	05/14/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/11/2021 2:53 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/18/2021	MO
EPA 9040C	Corrosivity/pH	7.78		Units	0.1	05/11/2021 3:29 pm	JLM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

**Approved By** Robert Hilbrandt

**QA Officer**

**Date Approved :** 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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



# Sample No. AX08977

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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*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	0.045		mg/L	0.004	06/07/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
SM20 2540D	Total Suspended Solids	88.0		mg/L	2.0	05/17/2021	MO

## Organics

### EPA8081B Pesticides - Water

SW846/8081B	4,4-DDD	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	4,4-DDE	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	4,4-DDT	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	a-BHC	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	a-Chlordane	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Aldrin	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	b-BHC	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Chlordane	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	d-BHC	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Dieldrin	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endosulfan 1	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Endosulfan 2	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endosulfan sulfate	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endrin	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endrin aldehyde	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endrin ketone	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	g-Chlordane	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Heptachlor	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Heptachlor epoxide	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Lindane	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Methoxychlor	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Prep. Method	EPA3510C/3620C		ug/L		05/17/2021	MG
SW846/8081B	Toxaphene	< LOQ		ug/L	12.5	05/17/2021	MG

### EPA8082A - PCBs in Water

SW846/8082A	Aroclor 1016 (PCB-1016)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1221 (PCB-1221)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1232 (PCB-1232)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1242 (PCB-1242)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1248 (PCB-1248)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1254 (PCB-1254)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1260 (PCB-1260)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Prep. Method	EPA3510C/3620C		ug/L		05/17/2021	MG

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/14/2021	MG
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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**      QA Officer      Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX08977

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acetone	68.9		ug/L	10.0	05/14/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/14/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/14/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/14/2021	MG

This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

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

4-ethyl-1,2-dimethyl-Benzene 11.1 ug/L

Levomenthol 17.0 ug/L

MG 7/9/21

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 S&HW matrix. RWHJr

### VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	0.915		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	0.410	J	ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2-butanone (MEK)	6.37		ug/L	2.00	05/19/2021	MG

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX08977

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromomethane	0.633		ug/L	0.50	05/19/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Naphthalene	0.330	J	ug/L	0.50	05/19/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	O-xylene	1.22		ug/L	0.50	05/19/2021	MG
SW846 8260C	P & M-xylene	0.860	J	ug/L	1.00	05/19/2021	MG
SW846 8260C	P-isopropyltoluene	1.48		ug/L	0.50	05/19/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Toluene	1.20		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/19/2021	MG

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX08977

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

Bromomethane and 1,2,4-trichlorobenzene LCS recoveries exceeding the acceptable QC criteria. The reported Bromomethane result is suspect. Established high bias on <LOQ results are valid to report. JC/RWHJr 6/29/21

"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr Bromomethane and 1,2,4-trichlorobenzene recovered above the acceptable QC criteria. jc 6/29/21

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

- Acetone 68.9 ug/L
- Isopropyl alcohol 10.6 ug/L
- 1-Nonanol 9.47 ug/L
- 1-Decanol 11.1 ug/L
- 1-(2-methylpropyl)-Cyclohexene 12.1 ug/L
- MG 6/30/21

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 S&HW matrix. RWHJr

**8270D - AE/BN in water**

SW846-8270D	1,2,4-Trichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	1,2-Dichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	1,3-Dichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	1,4-Dichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,4,6-Trichlorophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	2,4-Dichlorophenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,4-Dimethylphenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,4-Dinitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	2,4-Dinitrotoluene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,6-Dinitrotoluene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2-Chloronaphthalene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2-Chlorophenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2-Methyl-4,6-dinitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	2-Nitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	3,3'-Dichlorobenzidine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Bromophenylphenylether	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Chloro-3-methylphenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Chlorophenylphenylether	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Nitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Acenaphthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Acenaphthylene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Anthracene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Azobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzidine	< LOQ		ug/L	10	05/17/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

**Approved By** Robert Hilbrandt      **QA Officer**      **Date Approved :** 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX08977

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-8270D	Benzo(a)anthracene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(a)pyrene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(b)fluoranthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(g,h,i)perylene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(k)fluoranthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzyl butyl phthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	bis(2-Chloroethoxy)methane	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	bis(2-Chloroethyl)ether	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	bis(2-Ethylhexyl)phthalate	3.26	J	ug/L	5.0	05/17/2021	MG
SW846-8270D	Chrysene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Dibenzo(a,h)anthracene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Diethylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Dimethylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Di-n-butylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Di-n-octylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Fluoranthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Fluorene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Hexachlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Hexachlorobutadiene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Hexachlorocyclopentadiene	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Hexachloroethane	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Indeno(1,2,3-cd)pyrene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Isophorone	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Naphthalene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Nitrobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	n-Nitrosodimethylamine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	n-Nitrosodi-n-propylamine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	n-Nitrosodiphenylamine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Pentachlorophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Phenanthrene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Phenol	5.36		ug/L	5.0	05/17/2021	MG
SW846-8270D	Prep. Method	3510c		ug/L	5.0	05/17/2021	MG
SW846-8270D	Pyrene	< LOQ		ug/L	5.0	05/17/2021	MG

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J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. **AX08977**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

3&4-Methylphenol is present at 21.0 ug/L

The following tentatively identified compounds are present; the concentrations given are estimates (ug/L):

- 2-(3-methylphenoxy)-ethanol - 15.4
- 2-(4-methylphenoxy)-ethanol - 15.5
- 5-methyl-1H-Benzotriazole - 21.9
- Tetradecanoic acid - 18.3
- n-Hexadecanoic acid - 115
- (E)-9-Octadecenoic acid - 20.3
- 14-Pentadecenoic acid - 49.7
- Octadecanoic acid - 157
- (3.beta.,5.beta.)-Cholestan-3-ol - 99.1
- (3.beta.)-Cholest-5-en-3-ol - 92.6
- MR 6/10/21

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 S&HW matrix. RWHJr

EPA 1664B	Oil & Grease Total Recoverable (HEM)	14.6		mg/L	5	05/20/2021	MG
EPA 1664B	non-Polar Extractable Material (TPH)	2.89		mg/L	2.5	05/20/2021	MG

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---

Approved By **Robert Hilbrandt**      **QA Officer**      Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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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

Received By : SM JLM

CROTON, NY 10520

Bottle No : S731 H513 C0131 D1527 B813  
B1016 F699 G4787 E3393 K0197  
+5 14730 +8

Collection Point : PS #2DUP

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 05/11/2021 AT 9:15:00AM

Submitted On : 05/11/2021 AT 11:37:00AM

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

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP\_STRM

add'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	470		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	265		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	254		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	12.8		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	824		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	11.6		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO
EPA 6020A	Zinc	350		ug/L	80.0	05/19/2021	MO
SM22-5210B	Biochemical Oxygen Demand	116		mg/L	2	05/17/2021	8:55 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/12/2021	11:59 am MO
SW846-9012A	ASP Total Cyanide	0.025		mg/L	0.005	05/14/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/11/2021	2:53 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/24/2021	MO
EPA 9040C	Corrosivity/pH	7.76		Units	0.1	05/11/2021	3:29 pm JLM

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LOQ = Limit of Quantitation

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H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX08978

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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*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	0.040		mg/L	0.004	06/07/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
SM20 2540D	Total Suspended Solids	208		mg/L	2.0	05/17/2021	MO

### Organics

#### EPA8081B Pesticides - Water

SW846/8081B	4,4-DDD	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	4,4-DDE	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	4,4-DDT	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	a-BHC	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	a-Chlordane	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Aldrin	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	b-BHC	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Chlordane	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	d-BHC	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Dieldrin	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endosulfan 1	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Endosulfan 2	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endosulfan sulfate	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endrin	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endrin aldehyde	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Endrin ketone	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	g-Chlordane	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Heptachlor	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Heptachlor epoxide	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Lindane	< LOQ		ug/L	0.125	05/17/2021	MG
SW846/8081B	Methoxychlor	< LOQ		ug/L	0.25	05/17/2021	MG
SW846/8081B	Prep. Method	EPA3510C/3620C		ug/L		05/17/2021	MG
SW846/8081B	Toxaphene	< LOQ		ug/L	12.5	05/17/2021	MG

#### EPA8082A - PCBs in Water

SW846/8082A	Aroclor 1016 (PCB-1016)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1221 (PCB-1221)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1232 (PCB-1232)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1242 (PCB-1242)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1248 (PCB-1248)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1254 (PCB-1254)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Aroclor 1260 (PCB-1260)	< LOQ		ug/L	0.50	05/17/2021	MG
SW846/8082A	Prep. Method	EPA3510C/3620C		ug/L		05/17/2021	MG

#### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/14/2021	MG
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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**      QA Officer      Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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



# Sample No. AX08978

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acetone	65.2		ug/L	10.0	05/14/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/14/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/14/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/14/2021	MG

This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

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

Sulfur dioxide 36.0 ug/L  
MG 7/9/21

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 S&HW matrix. RWHJr

### VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	0.882		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	0.390	J	ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2-butanone (MEK)	6.19		ug/L	2.00	05/19/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG

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H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX08978

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromomethane	0.526		ug/L	0.50	05/19/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroethane	0.807		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Naphthalene	0.280	J	ug/L	0.50	05/19/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	O-xylene	1.26		ug/L	0.50	05/19/2021	MG
SW846 8260C	P & M-xylene	0.900	J	ug/L	1.00	05/19/2021	MG
SW846 8260C	P-isopropyltoluene	1.51		ug/L	0.50	05/19/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Toluene	1.23		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/19/2021	MG

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**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX08978

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

Bromomethane and 1,2,4-trichlorobenzene LCS recoveries exceeding the acceptable QC criteria. The reported Bromomethane result is suspect. Established high bias on <LOQ results are valid to report. JC/RWHJr 6/29/21

"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr Bromomethane and 1,2,4-trichlorobenzene recovered above the acceptable QC criteria. jc 6/29/21

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

- Isopropyl alcohol 10.6 ug/L
- Acetone 65.2 ug/L
- 1-Nonanol 16.8 ug/L
- Levomenthol 14.2 ug/L
- 1-Decanol 14.1 ug/L
- MG 6/30/21

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 S&HW matrix. RWHJr

**8270D - AE/BN in water**

SW846-8270D	1,2,4-Trichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	1,2-Dichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	1,3-Dichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	1,4-Dichlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,4,6-Trichlorophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	2,4-Dichlorophenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,4-Dimethylphenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,4-Dinitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	2,4-Dinitrotoluene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2,6-Dinitrotoluene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2-Chloronaphthalene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2-Chlorophenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	2-Methyl-4,6-dinitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	2-Nitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	3,3'-Dichlorobenzidine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Bromophenylphenylether	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Chloro-3-methylphenol	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Chlorophenylphenylether	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	4-Nitrophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Acenaphthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Acenaphthylene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Anthracene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Azobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzidine	< LOQ		ug/L	10	05/17/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

**Approved By** Robert Hilbrandt      **QA Officer**      **Date Approved :** 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX08978

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-8270D	Benzo(a)anthracene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(a)pyrene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(b)fluoranthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(g,h,i)perylene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzo(k)fluoranthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Benzyl butyl phthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	bis(2-Chloroethoxy)methane	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	bis(2-Chloroethyl)ether	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	bis(2-Ethylhexyl)phthalate	2.93	J	ug/L	5.0	05/17/2021	MG
SW846-8270D	Chrysene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Dibenzo(a,h)anthracene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Diethylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Dimethylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Di-n-butylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Di-n-octylphthalate	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Fluoranthene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Fluorene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Hexachlorobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Hexachlorobutadiene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Hexachlorocyclopentadiene	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Hexachloroethane	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Indeno(1,2,3-cd)pyrene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Isophorone	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Naphthalene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Nitrobenzene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	n-Nitrosodimethylamine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	n-Nitrosodi-n-propylamine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	n-Nitrosodiphenylamine	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Pentachlorophenol	< LOQ		ug/L	10	05/17/2021	MG
SW846-8270D	Phenanthrene	< LOQ		ug/L	5.0	05/17/2021	MG
SW846-8270D	Phenol	5.48		ug/L	5.0	05/17/2021	MG
SW846-8270D	Prep. Method	3510c		ug/L	5.0	05/17/2021	MG
SW846-8270D	Pyrene	< LOQ		ug/L	5.0	05/17/2021	MG

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J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. **AX08978**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

3&4-Methylphenol is present at 25.0 ug/L

The following tentatively identified compounds are present; the concentrations given are estimates (ug/L):

2-(3-methylphenoxy)-ethanol - 15.0

5-methyl-1H-Benzotriazole - 20.0

Tetradecanoic acid - 20.9

n-Hexadecanoic acid - 130

(E)-9-Octadecenoic acid - 21.9

Octadec-9-enoic acid - 54.2

Octadecanoic acid - 183

(3.beta.,5.beta.)-Cholestan-3-ol - 108

(3.beta.)-Cholest-5-en-3-ol - 74.0

MR 6/10/21

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 S&HW matrix. RWHJr

EPA 1664B	Oil & Grease Total Recoverable (HEM)	98.2		mg/L	5	05/20/2021	MG
EPA 1664B	non-Polar Extractable Material (TPH)	6.68		mg/L	2.5	05/20/2021	MG

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Approved By **Robert Hilbrandt**

**QA Officer**

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

Sample No. **AX08979**

**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 :** RFW 6

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

**add'l Report To :**

**Received By :** SM JLM

**Bottle No :** S0246 B998 B788 C0112 D1717  
3303 F376 G4979 K0252 0903  
8869 1019 8536 7728

**Collected By :** STEY & DUVAL

**Collection Date :** 05/11/2021 AT 7:20:00AM

**Submitted On :** 05/11/2021 AT 11:37:00AM

**PWS No. :**

**Type Descriptor :**

**Source ID :** 000

**pH :**

**Free Cl2 :**

**Residual Cl2 :**

**Sample chilled on arrival ? :** YES

**Sample Type :** NP\_STRM

**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	1190		ug/L	50	05/21/2021	MO
EPA 6010C	Calcium	164000		ug/L	1000	05/21/2021	MO
EPA 6010C	Iron	6170		ug/L	50	05/21/2021	MO
EPA 6010C	Magnesium	111000		ug/L	1000	05/21/2021	MO
EPA 6010C	Potassium	8500		ug/L	100	05/21/2021	MO
EPA 6010C	Sodium	377000		ug/L	100	05/21/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	53.7		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	673		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	211		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	35.3		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	1760		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	1350		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

**Approved By** Robert Hilbrandt

**QA Officer**

**Date Approved :** 07/14/2021

**Environmental Laboratories**  
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**(914) 231-1620**

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX08979

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	>500		mg/L	5.0	05/17/2021	MO
<i>Alkalinity result beyond titrametric range of instrument, upper limit reported</i>							
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/17/2021 8:55 am	MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/12/2021 11:59 am	MO
EPA 6010C	ASP Calcium by ICP-AES	164000		ug/L	1000	05/21/2021	MO
SW846/9253	Chloride - ASP	775		mg/L	125	06/02/2021	MO
SW846-9012A	ASP Total Cyanide	0.028		mg/L	0.005	05/14/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	60		mg/L	5.0	05/20/2021	MO
SM20-2120B	Color, Apparent - ASP	300		units	10	05/11/2021 2:37 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	870		mg/L	1	05/21/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/11/2021 2:53 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/24/2021	MO
SW846-6010C	ASP Magnesium	111000		ug/L	1000	05/21/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	06/02/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/12/2021 12:48 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.474		mg/L	0.05	05/21/2021	MO
EPA 9040C	Corrosivity/pH	6.99		Units	0.1	05/11/2021 3:29 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	Not Detected		mg/L	0.004	06/07/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				06/02/2021	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				06/03/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	37.7		mg/L	1.0	05/27/2021	MO
SM22-2540C	Total Dissolved Solids	2038.0		mg/L	2.0	05/12/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	1.53		mg/L	0.06	06/07/2021	MO
SW846-9060A	Total Organic Carbon - ASP	3.15		mg/L as C	0.25	05/27/2021	MO
EPA 180.1	Turbidity	101		NTU	0.2	05/11/2021 2:37 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/14/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/14/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/14/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX08979

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030C		ug/L		05/14/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/14/2021	MG

This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

### VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloroethane	0.860		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chlorobenzene	1.61		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,2-dichloroethene	1.75		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG

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**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

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



# Sample No. AX08979

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/19/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/19/2021	MG

This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

Bromomethane and 1,2,4-trichlorobenzene LCS recoveries exceeding the acceptable QC criteria. Established high bias on <LOQ results are valid to report. JC/RWHJr 6/29/21

"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

The following tentatively identified compound (TIC) is present; the concentration given is an estimate:  
Tetrahydrofuran 21.2 ug/L  
MG 6/30/21

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 S&HW matrix. 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**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

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

Sample No. **AX09096**

*REPORT OF ANALYSIS*

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK

Received By : SM JLM

CROTON, NY 10520

Bottle No : S0724 C0149 D0232 B1083 B7  
F642 G4799 E3243 K0151 152 153  
K0388 1817 8961

Collection Point : RINSE BLANK

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 05/12/2021 AT 10:15:00AM

Submitted On : 05/12/2021 AT 11:16:00AM

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

PWS No. :

Type Descriptor : Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : DI WATER

add'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	06/02/2021	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	06/02/2021	MO
EPA 6010C	Iron	< LOQ		ug/L	50	06/02/2021	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	06/02/2021	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	06/02/2021	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	06/02/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	12.9		ug/L	10.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	05/20/2021	MO

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1813

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

# Sample No. AX09096

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	<5		mg/L	5.0	05/17/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/17/2021	8:55 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/12/2021	11:59 am MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	06/02/2021	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	06/02/2021	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	05/14/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	05/20/2021	MO
SM20-2120B	Color, Apparent - ASP	< LOQ		units	1	05/12/2021	3:22 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	06/02/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/12/2021	3:34 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/24/2021	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	06/02/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	06/02/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/13/2021	11:18 am MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	06/07/2021	MO
EPA 9040C	Corrosivity/pH	6.32		Units	0.1	05/12/2021	3:23 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	0.069		mg/L	0.004	06/07/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				06/02/2021	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				06/03/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	05/27/2021	MO
SM22-2540C	Total Dissolved Solids	< LOQ		mg/L	2.0	05/14/2021	MO

*The blank is higher than 10% of the sample. CM 5/17/21*

SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.140J		mg/L	0.06	06/07/2021	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*

SW846-9060A	Total Organic Carbon - ASP	1.05		mg/L as C	0.25	05/27/2021	MO
EPA 180.1	Turbidity	0.36		NTU	0.02	05/12/2021	3:22 pm JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/14/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/14/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/14/2021	MG

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Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX09096

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/14/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/14/2021	MG

This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

### VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromodichloromethane	0.750		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroform	6.26		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/19/2021	MG

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H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX09096

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/19/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/19/2021	MG

Bromomethane and 1,2,4-trichlorobenzene LCS recoveries exceeding the acceptable QC criteria. Established high bias on <LOQ results are valid to report. JC/RWHJr 6/29/21

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Approved By **Robert Hilbrandt**

QA Officer

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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**Received By :** SM JLM

CROTON, NY 10520

**Bottle No :** S0702 G4963 F123 G3319 D1724

C0118 B1071 B758 K1645 0072

1805 5671 9108 9064

**Collection Point :** RFW-SD**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 05/12/2021 AT 8:00:00AM**Submitted On :** 05/12/2021 AT 11:16:00AM**Agency :** Croton Landfill**PWS No. :**

Westchester County DEF

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

270 North Avenue

pH :

New Rochelle, New York 10801

Free Cl2 :

Residual Cl2 :

Attn: Peter Costa

Sample chilled on arrival ? : YES

**add'l Report To :**

Sample Type : NP\_STRM

**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	340		ug/L	50	06/02/2021	MO
EPA 6010C	Calcium	55200		ug/L	1000	06/02/2021	MO
EPA 6010C	Iron	17300		ug/L	50	06/02/2021	MO
EPA 6010C	Magnesium	78000		ug/L	1000	06/02/2021	MO
EPA 6010C	Potassium	27100		ug/L	100	06/02/2021	MO
EPA 6010C	Sodium	402000		ug/L	1000	06/03/2021	MO

Matrix spike recovery for Sodium was below acceptable QC limits due to matrix masking (high analyte value obscured spike recovery).

E.M. 6/4/2021

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	106		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	38.9		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	265		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	111		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	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**QA Officer****Date Approved :** 07/14/2021**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX09097

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	>500		mg/L	5.0	05/17/2021	MO
<i>Alkalinity result beyond titrametric range of instrument, upper limit reported</i>							
SM22-5210B	Biochemical Oxygen Demand	11.8		mg/L		2 05/17/2021 8:55 am	MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/12/2021 11:59 am	MO
EPA 6010C	ASP Calcium by ICP-AES	55200		ug/L	1000	06/02/2021	MO
SW846/9253	Chloride - ASP	850		mg/L	125	06/02/2021	MO
SW846-9012A	ASP Total Cyanide	0.007		mg/L	0.005	05/14/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	46		mg/L	5.0	05/20/2021	MO
SM20-2120B	Color, Apparent - ASP	250		units	10	05/12/2021 3:22 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	460		mg/L	1	06/03/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/12/2021 3:34 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/24/2021	MO
SW846-6010C	ASP Magnesium	78000		ug/L	1000	06/02/2021	MO
SM22-4500NH3-G	Ammonia as N	17.4		mg/L	1.25	06/02/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/13/2021 11:18 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.517		mg/L	0.05	06/07/2021	MO
EPA 9040C	Corrosivity/pH	7.23		Units	0.1	05/12/2021 3:23 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	Not Detected		mg/L	0.004	06/07/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				06/02/2021	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				06/03/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	05/27/2021	MO
SM22-2540C	Total Dissolved Solids	1820.0		mg/L	2.0	05/14/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	18.3		mg/L	0.60	06/07/2021	MO
SW846-9060A	Total Organic Carbon - ASP	2.30		mg/L as C	0.25	05/27/2021	MO
EPA 180.1	Turbidity	311		NTU	0.2	05/12/2021 3:22 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/14/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/14/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/14/2021	MG

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**      QA Officer      Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX09097

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/14/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/14/2021	MG

This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

### VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/19/2021	MG

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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



# Sample No. AX09097

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/19/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/19/2021	MG

This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

Bromomethane and 1,2,4-trichlorobenzene LCS recoveries exceeding the acceptable QC criteria. Established high bias on <LOQ results are valid to report. JC/RWHJr 6/29/21

The following tentatively identified compound (TIC) is present; the concentration given is an estimate:

Tetrahydrofuran 9.30 ug/L  
MG 6/30/21

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 S&HW matrix. RWHJr

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

Sample No. **AX09098**

*REPORT OF ANALYSIS*

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK

Received By : SM JLM

CROTON, NY 10520

Bottle No : S0755 C0119 F621 D1715 G4808  
B455 B682 E3322 K6265 6426  
8947 9143 8548 8789

Collection Point : RFW-7D

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 05/12/2021 AT 8:55:00AM

Submitted On : 05/12/2021 AT 11:16:00AM

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

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP\_STRM

add'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	06/02/2021	MO
EPA 6010C	Calcium	36400		ug/L	1000	06/02/2021	MO
EPA 6010C	Iron	< LOQ		ug/L	50	06/02/2021	MO
EPA 6010C	Magnesium	13100		ug/L	1000	06/02/2021	MO
EPA 6010C	Potassium	2560		ug/L	100	06/02/2021	MO
EPA 6010C	Sodium	8450		ug/L	100	06/02/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	< LOQ		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	51.4		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	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**

QA Officer

Date Approved : 07/14/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX09098

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	172		mg/L	5.0	05/17/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/17/2021 8:55 am	MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/12/2021 11:59 am	MO
EPA 6010C	ASP Calcium by ICP-AES	36400		ug/L	1000	06/02/2021	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	06/02/2021	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	05/14/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	05/20/2021	MO
SM20-2120B	Color, Apparent - ASP	< LOQ		units	1	05/12/2021 3:22 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	140		mg/L	1	06/03/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/12/2021 3:34 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/24/2021	MO
SW846-6010C	ASP Magnesium	13100		ug/L	1000	06/02/2021	MO
SM22-4500NH3-G	Ammonia as N	0.0598		mg/L	0.05	06/02/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/13/2021 11:18 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	06/07/2021	MO
EPA 9040C	Corrosivity/pH	8.11		Units	0.1	05/12/2021 3:23 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	0.006J		mg/L	0.004	06/07/2021	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				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				06/02/2021	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				06/03/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	6.50		mg/L	1.0	05/27/2021	MO
SM22-2540C	Total Dissolved Solids	270.0		mg/L	2.0	05/14/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.167J		mg/L	0.06	06/07/2021	MO

*"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr*

SW846-9060A	Total Organic Carbon - ASP	1.14		mg/L as C	0.25	05/27/2021	MO
EPA 180.1	Turbidity	0.17		NTU	0.02	05/12/2021 3:22 pm	JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/14/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/14/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/14/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX09098

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/14/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/14/2021	MG

This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

### VOC's in water-EPA 8260C

SW846 8260C	1,1,1-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/19/2021	MG

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX09098

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/19/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/19/2021	MG

Bromomethane and 1,2,4-trichlorobenzene LCS recoveries exceeding the acceptable QC criteria. Established high bias on <LOQ results are valid to report. JC/RWHJr 6/29/21

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

Sample No. **AX09099**

*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 :** RFW-8

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

**add'l Report To :**

**Received By :** SM JLM

**Bottle No :** S0691 C0159 F32 D5144 G4800  
B1041 B608 E3171 K0348 1274  
1361 6114 0002 0191

**Collected By :** STEY & DUVAL

**Collection Date :** 05/12/2021 AT 9:30:00AM

**Submitted On :** 05/12/2021 AT 11:17:00AM

**PWS No. :**

**Type Descriptor :**

**Source ID :** 000

**pH :**

**Free Cl2 :**

**Residual Cl2 :**

**Sample chilled on arrival ? :** YES

**Sample Type :** NP\_STRM

**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	06/02/2021	MO
EPA 6010C	Calcium	197000		ug/L	1000	06/02/2021	MO
EPA 6010C	Iron	108000		ug/L	50	06/02/2021	MO
EPA 6010C	Magnesium	69700		ug/L	1000	06/02/2021	MO
EPA 6010C	Potassium	3490		ug/L	100	06/02/2021	MO
EPA 6010C	Sodium	49000		ug/L	100	06/02/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	2460		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	12.6		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	482		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	16500		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	23.8		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	314		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	261		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	698		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	92.2		ug/L	20.0	05/20/2021	MO

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J=value is an estimate

H = exceeds holding time

**Approved By** Robert Hilbrandt

**QA Officer**

**Date Approved :** 07/14/2021

**Environmental Laboratories**

**NYS ELAP # 10108**

**(914) 231-1620**

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX09099

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	299		mg/L	5.0	05/17/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/17/2021	8:55 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/12/2021	11:59 am MO
EPA 6010C	ASP Calcium by ICP-AES	197000		ug/L	1000	06/02/2021	MO
SW846/9253	Chloride - ASP	430		mg/L	50.0	06/02/2021	MO
SW846-9012A	ASP Total Cyanide	0.016		mg/L	0.005	05/14/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	41		mg/L	5.0	05/20/2021	MO
SM20-2120B	Color, Apparent - ASP	50		units	10	05/12/2021	3:22 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	780		mg/L	1	06/03/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/12/2021	3:34 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/24/2021	MO
SW846-6010C	ASP Magnesium	69700		ug/L	1000	06/02/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	06/02/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/13/2021	11:18 am MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	6.32		mg/L	0.5	06/07/2021	MO
EPA 9040C	Corrosivity/pH	7.27		Units	0.1	05/12/2021	3:23 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	Not Detected		mg/L	0.004	06/07/2021	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				06/02/2021	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				06/03/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	42.8		mg/L	1.0	05/27/2021	MO
SM22-2540C	Total Dissolved Solids	1424.0		mg/L	2.0	05/14/2021	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.749		mg/L	0.06	06/07/2021	MO
SW846-9060A	Total Organic Carbon - ASP	0.577		mg/L as C	0.25	05/27/2021	MO

*This sample triplicate %RSD was 13.6% for the TOC result. The sample was repeated and the result was 11.8%. The QC limit is 10%RSD for triplicate analysis. This is indicative of likely sample matrix interference.*

EPA 180.1	Turbidity	142		NTU	0.2	05/12/2021	3:22 pm JLM
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## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/14/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/14/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/14/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX09099

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030C		ug/L		05/14/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/14/2021	MG

This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

### VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG

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**

QA Officer

Date Approved : 07/14/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1813

EMAIL 7/14/2021

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



# Sample No. AX09099

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/19/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/19/2021	MG

Bromomethane and 1,2,4-trichlorobenzene LCS recoveries exceeding the acceptable QC criteria. Established high bias on <LOQ results are valid to report. JC/RWHJr 6/29/21

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**

**QA Officer**

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

Sample No. **AX09100**

*REPORT OF ANALYSIS*

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK

Received By : SM JLM

CROTON, NY 10520

Bottle No : S0293 C0134 F687 D1369 G4772  
B1286 B710 E3355 K7139 0142  
8202 7519 0003 7729

Collection Point : RFW-7S

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 05/12/2021 AT 8:30:00AM

Submitted On : 05/12/2021 AT 11:16:00AM

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

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP\_STRM

add'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	06/02/2021	MO
EPA 6010C	Calcium	72800		ug/L	1000	06/02/2021	MO
EPA 6010C	Iron	4820		ug/L	50	06/02/2021	MO
EPA 6010C	Magnesium	32000		ug/L	1000	06/02/2021	MO
EPA 6010C	Potassium	1980		ug/L	100	06/02/2021	MO
EPA 6010C	Sodium	24400		ug/L	100	06/02/2021	MO

**ASP Metals by EPA 6020A**

EPA 6020A	Aluminum	884		ug/L	50.0	05/20/2021	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Barium	102		ug/L	10.0	05/19/2021	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Chromium	464		ug/L	10.0	05/19/2021	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	05/19/2021	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Manganese	2340		ug/L	10.0	05/19/2021	MO
EPA 6020A	Nickel	230		ug/L	10.0	05/19/2021	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	05/19/2021	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	05/19/2021	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	05/20/2021	MO

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX09100

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	05/19/2021	MO
SM22 2320B	Alkalinity as Calcium Carbonate - ASP	240		mg/L	5.0	05/17/2021	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	05/17/2021	8:55 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				05/12/2021	11:59 am MO
EPA 6010C	ASP Calcium by ICP-AES	72800		ug/L	1000	06/02/2021	MO
SW846/9253	Chloride - ASP	125		mg/L	25.0	06/02/2021	MO
SW846-9012A	ASP Total Cyanide	0.010		mg/L	0.005	05/14/2021	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	05/20/2021	MO
SM20-2120B	Color, Apparent - ASP	50		units	10	05/12/2021	3:22 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	310		mg/L	1	06/03/2021	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	05/12/2021	3:34 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	05/24/2021	MO
SW846-6010C	ASP Magnesium	32000		ug/L	1000	06/02/2021	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	06/02/2021	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	05/13/2021	11:18 am MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	2.90		mg/L	0.5	06/07/2021	MO
EPA 9040C	Corrosivity/pH	7.28		Units	0.1	05/12/2021	3:23 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	0.017J		mg/L	0.004	06/07/2021	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				05/13/2021	MO
40CFR136	NH4 Preparation	Completed				06/02/2021	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				06/03/2021	MO
SW846/9056A	Sulfate, Aqueous - ASP	15.8		mg/L	1.0	05/27/2021	MO
SM22-2540C	Total Dissolved Solids	495.0		mg/L	2.0	05/14/2021	MO

*Sample and duplicate's precision is outside the 5% RPD method range. CM 5/15/21*

SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.470		mg/L	0.06	06/07/2021	MO
SW846-9060A	Total Organic Carbon - ASP	0.947		mg/L as C	0.25	05/27/2021	MO
EPA 180.1	Turbidity	93.2		NTU	0.2	05/12/2021	3:22 pm JLM

## Organics

### VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	05/14/2021	MG
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acetone	< LOQ		ug/L	10.0	05/14/2021	MG
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	05/14/2021	MG
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	05/14/2021	MG

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DL = Detection Limit      LOQ = Limit of Quantitation      J=value is an estimate      H = exceeds holding time

Approved By **Robert Hilbrandt**      QA Officer      Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX09100

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Prep. Method	5030C		ug/L		05/14/2021	MG
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	05/14/2021	MG
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	05/14/2021	MG

This sample deviates from the method stipulated preservation requirements of pH < 2. This method deviation may render the data unsuitable for regulatory purposes. jc 6/29/21

### VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Benzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromodichloromethane	0.290	J	ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloroform	0.625		ug/L	0.50	05/19/2021	MG
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	05/19/2021	MG

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J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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

# Sample No. AX09100

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	05/19/2021	MG
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	05/19/2021	MG
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Styrene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Toluene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	05/19/2021	MG
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	05/19/2021	MG

Bromomethane and 1,2,4-trichlorobenzene LCS recoveries exceeding the acceptable QC criteria. Established high bias on <LOQ results are valid to report. JC/RWHJr 6/29/21

"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 07/14/2021

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

Report Number: 1813

EMAIL 7/14/2021

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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 :** JAR A

**Collection Point :** SOIL A

**Collected By :** DUVAL & STEY  
**Collection Date :** 05/25/2021 AT 8:20:00AM  
**Submitted On :** 05/25/2021 AT 10:43:00AM

**ID of Source :**

**Agency :** Croton Landfill  
Westchester County DEF  
270 North Avenue  
New Rochelle, New York 10801  
Attn: Peter Costa

**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
<b><u>Inorganics</u></b>							
SW846/6020A	Silver SW by MS	< LOQ		mg/Kg dry wt	4.4	06/04/2021	MO
SW846/6020A	Arsenic SW by MS	3.5		mg/Kg dry wt	2.2	06/04/2021	MO
EPA 6020A	Cadmium SW by ICP-MS	< LOQ		mg/Kg dry wt	2.2	06/04/2021	MO
SW846/6020A	Copper SW by MS	30.7		mg/Kg dry wt	2.2	06/04/2021	MO
EPA 6010C	Iron by ICP-AES	18100		mg/Kg dry wt	2.18	06/07/2021	MO
<i>Matrix spike recovery for Iron exceeded the acceptable QC limits due to matrix enhancement (high analyte value enhanced spike recovery). E.M. 6/8/2021</i>							
EPA 6020A	Lead SW by ICP-MS	23.5		mg/Kg dry wt	2.2	06/04/2021	MO
SW846-3050B	Metals Digestion for Soil/Solids/Sludges	Completed				05/26/2021	MO
<i>Soil Narrative for EPA 6020A Analytes (Silver, Arsenic, Cadmium, Copper, Lead): Analytical result based on a representative 2.1273g sub-sample of soil. RWHJr</i>							
<i>Soil Narrative for EPA 6010C (Iron): Analytical result based on a representative 2.1935g sub-sample of soil. RWHJr</i>							
EPA - 1684	ASP Percent solids	54.0		%	0.1	05/28/2021	MO

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**Approved By** *Robert Hilbrandt*      **QA Officer**      **Date Approved :** 06/16/2021

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

Report Number: 1714

EMAIL 6/16/2021

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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

Received By : KB JLM

CROTON, NY 10520

Bottle No : JAR B

Collection Point : SOIL B

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 05/25/2021 AT 8:30:00AM

Submitted On : 05/25/2021 AT 10:43:00AM

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

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
<b>Inorganics</b>							
SW846/6020A	Silver SW by MS	< LOQ		mg/Kg dry wt	3.2	06/04/2021	MO
SW846/6020A	Arsenic SW by MS	3.0		mg/Kg dry wt	1.6	06/04/2021	MO
EPA 6020A	Cadmium SW by ICP-MS	< LOQ		mg/Kg dry wt	1.6	06/04/2021	MO
SW846/6020A	Copper SW by MS	15.2		mg/Kg dry wt	1.6	06/04/2021	MO
EPA 6010C	Iron by ICP-AES	9780		mg/Kg dry wt	1.02	06/07/2021	MO
EPA 6020A	Lead SW by ICP-MS	13.6		mg/Kg dry wt	1.6	06/04/2021	MO
SW846-3050B	Metals Digestion for Soil/Solids/Sludges	Completed				05/26/2021	MO

Soil Narrative for EPA 6020A Analytes (Silver, Arsenic, Cadmium, Copper, Lead): Analytical result based on a representative 2.2900g sub-sample of soil. RWHJr

Soil Narrative for EPA 6010C (Iron): Analytical result based on a representative 3.5428g sub-sample of soil. RWHJr

EPA - 1684	ASP Percent solids	68.9		%	0.1	05/28/2021	MO
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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**

QA Officer

Date Approved : 06/16/2021

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 1714

EMAIL 6/16/2021

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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

Received By : KB JLM

CROTON, NY 10520

Bottle No : JAR C

Collection Point : SOIL C

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 05/25/2021 AT 8:40:00AM

Submitted On : 05/25/2021 AT 10:43:00AM

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

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
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**Inorganics**

SW846/6020A	Silver SW by MS	< LOQ		mg/Kg dry wt	3.8	06/04/2021	MO
SW846/6020A	Arsenic SW by MS	2.3		mg/Kg dry wt	1.9	06/04/2021	MO
EPA 6020A	Cadmium SW by ICP-MS	< LOQ		mg/Kg dry wt	1.9	06/04/2021	MO
SW846/6020A	Copper SW by MS	20.0		mg/Kg dry wt	1.9	06/04/2021	MO
EPA 6010C	Iron by ICP-AES	13700		mg/Kg dry wt	1.78	06/07/2021	MO
EPA 6020A	Lead SW by ICP-MS	18.7		mg/Kg dry wt	1.9	06/04/2021	MO
SW846-3050B	Metals Digestion for Soil/Solids/Sludges	Completed				05/26/2021	MO

Soil Narrative for EPA 6020A Analytes (Silver, Arsenic, Cadmium, Copper, Lead): Analytical result based on a representative 1.8970g sub-sample of soil. RWHJr

Soil Narrative for EPA 6010C (Iron): Analytical result based on a representative 2.0456g sub-sample of soil. RWHJr

EPA - 1684	ASP Percent solids	68.5		%	0.1	05/28/2021	MO
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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**

QA Officer

Date Approved : 06/16/2021

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