

Sample No. **AY11125**

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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

Sample No. **AY11125**

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

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

Tetrahydrofuran: 5.03ug/L

Difluorochloromethane: 5.16ug/L

Ethyl ether: 61.1ug/L

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

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

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

jc/GZ 9/24/2022

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Sample No. **AY11126**

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 : S3361 B1291 934 C108 D1032

E4048 F696 G5156 K8673+ 15 16

Collection Point : RR 6

Collected By : STEY & DUVAL

ID of Source :

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

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

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

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

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

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Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	489		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/05/2022 9:04 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-8-22

SM21-5210B	ASP BOD Set Date and Time	Completed				06/30/2022 12:08 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	128000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	5.00		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	5		units	1	06/29/2022 2:18 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	470		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/29/2022 2:49 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	35700		ug/L	1000	07/21/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	0.513		mg/L	0.10	06/30/2022 12:18 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	2.40		mg/L	0.25	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.91		Units	0.1	06/29/2022 2:10 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0111	J	mg/L	0.025	07/07/2022	MM
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/07/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	50.8		mg/L	2.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	641.3		mg/L	2.0	06/30/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.401	B	mg/L	0.06	07/26/2022	MO

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

SW846-9060A	Total Organic Carbon - ASP	2.63		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	3.23		NTU	0.02	06/29/2022 2:18 pm	JLM

Organics**VOCs by 8260C Baseline Expanded**

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

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Approved By **Michele Matos** QA Officer Date Approved : 09/26/2022

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EMAIL 9/26/2022

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

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

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

VOC's in water-EPA 8260C

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

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Approved By **Michele Matos**

QA Officer

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

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

jc/GZ 9/24/2022

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Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL

Received By : JLM

Bottle No : K4590 1987 955 K2606 973 2652

CROTON, NY 10520

Collection Point : TRIP BLK

Collected By : LAB

ID of Source :

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

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

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

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : DI WATER

add'l Report To :

Comment :

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

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

Surrogate 4-bromofluorobenzene recovered above QC Criteria.

jc /GZ 9/8/22

VOC's in water-EPA 8260C

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

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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

Sample No. **AY12061**

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

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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

Sample No. **AY12061**

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

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Approved By **Michele Matos**

QA Officer

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

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK**Received By :** JLM

CROTON, NY 10520

Bottle No : S3334 B534 1099 C1001 D1026
E4011 F640 G5178 K7058+ 11 10**Collection Point :** TELLERS POINT LEFT SRF 1B**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/13/2022 AT 9:05:00AM**Submitted On :** 07/13/2022 AT 11:39:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :** **Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

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

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Approved By Michele Matos**QA Officer****Date Approved :** 09/26/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3063**EMAIL** 9/26/2022

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

Sample No. **AY12064**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	75.4		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022 9:21 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/13/2022 12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	82900		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	3900		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	44		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022 3:38 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1100		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022 3:50 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	206000		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0111		mg/L	0.01	07/14/2022 2:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.167		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.67		Units	0.1	07/13/2022 3:20 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0093	J	mg/L	0.025	07/21/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH4 Preparation	Completed				07/26/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	513		mg/L	77.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	6326.7		mg/L	2.0	07/14/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.693	B	mg/L	0.06	07/25/2022	MO

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

SW846-9060A	Total Organic Carbon - ASP	0.753		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.17		NTU	0.02	07/14/2022 3:38 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/14/2022	GZ2
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/14/2022	GZ2
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/14/2022	GZ2
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/14/2022	GZ2

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Approved By **Michele Matos** QA Officer Date Approved : 09/26/2022

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

Report Number: 3063

EMAIL 9/26/2022

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

Sample No. **AY12064**

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

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

jc/GZ 9/24/2022

VOC's in water-EPA 8260C

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

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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Sample No. **AY12064**

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3063

EMAIL 9/26/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK**Received By :** JLM

CROTON, NY 10520

Bottle No : S3323 B791 1243 C106 D7451

E3260 F325 G5107 K6993+ 21 23

Collection Point : SURFACE RR RIGHT**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 06/29/2022 AT 10:10:00AM**Submitted On :** 06/29/2022 AT 11:19:00AM

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

PWS No. :**Type Descriptor :****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
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Calcium	64700		ug/L	10000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	500	07/21/2022	MO
EPA 6010C	Magnesium	145000		ug/L	10000	07/21/2022	MO
EPA 6010C	Potassium	45900		ug/L	1000	07/21/2022	MO
EPA 6010C	Sodium	1140000		ug/L	1000	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	128		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	28.0		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	61.0		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	57.9		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	20.9		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11129**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	71.5		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/05/2022 9:04 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-8-22

SM21-5210B	ASP BOD Set Date and Time	Completed				06/30/2022 12:08 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	64700		ug/L	10000	07/21/2022	MO
SW846/9253	Chloride - ASP	2800		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	37		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	06/29/2022 2:18 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	760		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/29/2022 2:49 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	145000		ug/L	10000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0101		mg/L	0.01	06/30/2022 12:18 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.451		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.70		Units	0.1	06/29/2022 2:10 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0056	J	mg/L	0.025	07/11/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM

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

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	388		mg/L	10.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	5196.0		mg/L	2.0	06/30/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.542	B	mg/L	0.06	07/26/2022	MO

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

SW846-9060A	Total Organic Carbon - ASP	0.934		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	7.07		NTU	0.02	06/29/2022 2:18 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

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

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

Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11129**

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

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

Surrogate 4-bromofluorobenzene recovered higher than the QC criteria
jc 9/8/22

VOC's in water-EPA 8260C

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11129**

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

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

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J=value is an estimate

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

Page 4 of 4

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK

CROTON, NY 10520

Collection Point : RINSE BLK**ID of Source :**

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

add'l Report To :**Received By :** JLM

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

Collected By : STEY & DUVAL**Collection Date :** 06/30/2022 AT 11:35:00AM**Submitted On :** 06/30/2022 AT 12:20:00PM**PWS No. :****Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**Comment :**

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

EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	164		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	149		ug/L	100	07/21/2022	MO

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11240**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	20.2		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	<5		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/06/2022	9:18 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				07/01/2022	12:03 pm MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/01/2022	8:40 am JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/30/2022	2:55 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/01/2022	12:25 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	8.37		Units	0.1	06/30/2022	3:01 pm JLM

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

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

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/12/2022	MO

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

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

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

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

Organics

VOCs by 8260C Baseline Expanded

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

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

Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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

Report Number: 3064

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

Sample No. **AY11240**

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

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

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	2.08		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

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

Sample No. **AY11240**

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

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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

Report Number: 3064

EMAIL 9/27/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK

CROTON, NY 10520

Collection Point : RFW 2D**ID of Source :**

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

add'l Report To :**Received By :** JLM

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

Collected By : STEY & DUVAL**Collection Date :** 06/30/2022 AT 11:15:00AM**Submitted On :** 06/30/2022 AT 12:20:00PM**PWS No. :****Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**Comment :**

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3064**EMAIL** 9/27/2022

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

Sample No. AY11241

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

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

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

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

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

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

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

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

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

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

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

Organics

VOCs by 8260C Baseline Expanded

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

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

Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11241**

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

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

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

VOC's in water-EPA 8260C

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

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11241**

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

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11241**

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

Tetrahydrofuran: 7.47ug/L

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

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

jc 8/24/22

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

jc/GZ 9/24/2022

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

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QA Officer

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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 : S3329 E3306 B977 B113 D5017
G5011 C143 F41 K8363+**Collection Point :** RFW 2S**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 06/30/2022 AT 10:05:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**Submitted On :** 06/30/2022 AT 12:20:00PM**PWS No. :****Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****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
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	448		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	72000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	13700		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	30600		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	33700		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	79400		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	69.4		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	94.5		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	426		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	62.6		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	12.3		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11242**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	>500		mg/L	5.0	07/05/2022	MO

Alkalinity result beyond titrimetric range of instrument, upper limit reported. EP

SM22-5210B	Biochemical Oxygen Demand	20.0		mg/L	2	07/06/2022 9:18 am	MO
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Test replicates showing large differences between the computed CBOD for high and low dilutions (>30% RPD) may indicate the presence of toxic substances {SM22 5210B-7.b.}. KA 7-8-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/01/2022 12:03 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	72000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	100		mg/L	25.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	71		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	250		units	1	07/01/2022 8:40 am	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	310		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/30/2022 2:55 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	30600		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	64.1		mg/L	6.25	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/01/2022 12:25 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.80		Units	0.1	06/30/2022 3:01 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0505		mg/L	0.025	07/11/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/12/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	685.3		mg/L	2.0	07/01/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	68.4	B	mg/L	1.2	07/28/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr

SW846-9060A	Total Organic Carbon - ASP	32.0		mg/L as C	2.5	07/05/2022	MO
EPA 180.1	Turbidity	152		NTU	0.02	07/01/2022 8:40 am	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM

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Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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

Report Number: 3064

EMAIL 9/27/2022

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Sample No. **AY11242**

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

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

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

VOC's in water-EPA 8260C

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

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

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Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11242**

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11242**

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

tetrahydrofuran 8.14ug/L

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

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

jc 8/24/22

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

jc/GZ 9/24/2022

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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

Report Number: 3064

EMAIL 9/27/2022

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

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 : S3341 B1041 444 C157 D473

E3484 F679 G4965 18 22 K8417+

Collection Point : RFW 1S**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 06/30/2022 AT 7:50:00AM**Submitted On :** 06/30/2022 AT 12:20:00PM

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

PWS No. :**Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

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

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11243**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	778		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	>500		mg/L	5.0	07/05/2022	MO

Alkalinity result beyond titrimetric range of instrument, upper limit reported. EP

SM22-5210B	Biochemical Oxygen Demand	7.00		mg/L	2	07/06/2022 9:18 am	MO
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Test replicates showing large differences between the computed CBOD for high and low dilutions (>30% RPD) may indicate the presence of toxic substances {SM22 5210B-7.b.}. KA 7-8-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/01/2022 12:03 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	133000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	100		mg/L	25.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	38		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	400		units	1	07/01/2022 8:40 am	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	520		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/30/2022 2:55 pm	MO
SW846-7470A	ASP Mercury	2.97		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	46500		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	15.4		mg/L	1.25	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/01/2022 12:25 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.0575		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.59		Units	0.1	06/30/2022 3:01 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0088	J	mg/L	0.025	07/11/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

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

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	MO
SW846/9056A	Sulfate, Aqueous - ASP	1.60		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	804.0		mg/L	2.0	07/01/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	15.6	B	mg/L	0.6	07/28/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr

SW846-9060A	Total Organic Carbon - ASP	15.7		mg/L as C	0.5	07/05/2022	MO
EPA 180.1	Turbidity	230		NTU	0.02	07/01/2022 8:40 am	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM

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

Approved By	Michele Matos	QA Officer	Date Approved :	09/27/2022
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Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11243**

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

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

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

VOC's in water-EPA 8260C

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11243**

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

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

jc/GZ 9/24/2022

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

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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

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 : S3365 B592 781 C153 D842 E3341
F376 G5115 K8130+ 36 13**Collection Point :** RFW 1D**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 06/30/2022 AT 9:15:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**Submitted On :** 06/30/2022 AT 12:20:00PM**PWS No. :****Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****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	1360		ug/L	1000	07/21/2022	MO
EPA 6010C	Calcium	197000		ug/L	10000	07/21/2022	MO
EPA 6010C	Iron	2700		ug/L	500	07/21/2022	MO
EPA 6010C	Magnesium	421000		ug/L	10000	07/21/2022	MO
EPA 6010C	Potassium	87900		ug/L	1000	07/21/2022	MO
EPA 6010C	Sodium	1820000		ug/L	1000	07/21/2022	MO

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

ASP Metals by EPA 6020A

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3064**EMAIL** 9/27/2022

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

Sample No. **AY11244**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO

Precision as measured by duplicate analysis exceeded 20% QC limit for Aluminum, Copper, Selenium, and Barium due to possible sample matrix interferences. MO/RH

SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	INVALID		mg/L	5.0	07/05/2022	MO
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Sample pH did not change with addition of titrant and no result was obtained. Possibly due to sample matrix interference.

SM22-5210B	Biochemical Oxygen Demand	5.50		mg/L	2	07/06/2022 9:18 am	MO
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Test replicates showing large differences between the computed CBOD for high and low dilutions (>30% RPD) may indicate the presence of toxic substances {SM22 5210B-7.b.}. KA 7-8-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/01/2022 12:03 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	197000		ug/L	10000	07/21/2022	MO
SW846/9253	Chloride - ASP	3700		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	60		mg/L	50	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	100		units	1	07/01/2022 8:40 am	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	2200		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/30/2022 2:55 pm	MO

Sample and duplicate's precision is outside the 20% RPD method range. CM 6/30/22

SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	421000		ug/L	10000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	88.9		mg/L	6.25	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/01/2022 12:25 pm	MO

Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/1/22

EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.0796		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.05		Units	0.1	06/30/2022 3:01 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.179		mg/L	0.025	07/11/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/12/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	MO
SW846/9056A	Sulfate, Aqueous - ASP	1.29		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	8373.3		mg/L	2.0	07/01/2022	MO

Sample and duplicate's precision is outside the 5% RPD method range. CM 07/05/22

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

Approved By *Michele Matos* **QA Officer** **Date Approved :** 09/27/2022

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

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11244**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	104	B	mg/L	6.0	07/28/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ ($>0.5 \times \text{LOQ}$). RWHJr

SW846-9060A	Total Organic Carbon - ASP	7.97		mg/L as C	0.25	07/13/2022	MO
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Matrix spike recovery above acceptable QC limits due to possible sample matrix interferences.

EPA 180.1	Turbidity	27.1		NTU	0.02	07/01/2022 8:40 am	JLM
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Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

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

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

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM

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

Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11244**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3064

EMAIL 9/27/2022

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

Sample No. **AY11244**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation (pH <2).
This method deviation may render the data unsuitable for regulatory reporting purposes. DWM 9/26/22

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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

Report Number: 3064

EMAIL 9/27/2022

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

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 : K6709 K465 K6526 K6635 K342
K449**Collection Point :** TRIP BLK**Collected By :** LAB**ID of Source :****Collection Date :** 06/30/2022 AT 1:00:00PM**Submitted On :** 07/05/2022 AT 11:00:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :****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
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

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

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11432**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11432**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK**Received By :** JLM

CROTON, NY 10520

Bottle No : S3360 B1256 B775 C126 D1188
E3183 F283 G5009 K8501 12 9**Collection Point :** BEACH LEFT SRF 2B**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/05/2022 AT 9:15:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**Submitted On :** 07/05/2022 AT 11:00:00AM**PWS No. :****Type Descriptor :** **Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**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	761		ug/L	500	07/21/2022	MO
EPA 6010C	Calcium	67700		ug/L	5000	07/21/2022	MO
EPA 6010C	Iron	370		ug/L	250	07/21/2022	MO
EPA 6010C	Magnesium	156000		ug/L	5000	07/21/2022	MO
EPA 6010C	Potassium	54300		ug/L	500	07/21/2022	MO
EPA 6010C	Sodium	1220000		ug/L	500	07/21/2022	MO

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	151		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	29.4		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	158		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	56.9		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	25.5		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3067**EMAIL** 9/27/2022

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

Sample No. AY11433

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	2.70		mg/L	2	07/12/2022 9:19 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-14-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/07/2022 8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	67700		ug/L	5000	07/21/2022	MO
SW846/9253	Chloride - ASP	2900		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	38		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	30		units	1	07/06/2022 3:05 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	810		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/05/2022 3:07 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	156000		ug/L	5000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/06/2022 12:03 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.361		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	8.31		Units	0.1	07/05/2022 3:37 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/11/2022	RH
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/12/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	416		mg/L	20.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	5113.3		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.927	B	mg/L	0.06	07/26/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr

SW846-9060A	Total Organic Carbon - ASP	0.755		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	11.0		NTU	0.02	07/06/2022 3:05 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM

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Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11433**

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

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr

Internal standard fluorobenzene recovered less than 50% of mean initial calibration. However, surrogate 1,2-dichloroethane-d4 recovered 23.2ug/L higher than target value of 10ug/L. All compounds with respect to Fluorobenzene (IS) would be doubled if any compound was positive and since the sample were negative. Results are acceptable. jc 9/8/22

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11433**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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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 : S3353 B1251 944 C996 D1107
E4033 F331 G5010 K6119+ 3 6**Collection Point :** BEACH RIGHT SRF 2A**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/05/2022 AT 9:00:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**Submitted On :** 07/05/2022 AT 11:00:00AM**PWS No. :****Type Descriptor :** **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
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	751		ug/L	500	07/21/2022	MO
EPA 6010C	Calcium	67000		ug/L	5000	07/21/2022	MO
EPA 6010C	Iron	403		ug/L	250	07/21/2022	MO
EPA 6010C	Magnesium	155000		ug/L	5000	07/21/2022	MO
EPA 6010C	Potassium	55300		ug/L	500	07/21/2022	MO
EPA 6010C	Sodium	1210000		ug/L	500	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	135		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	31.2		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	141		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	159		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	24.5		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3067**EMAIL** 9/27/2022

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

Sample No. **AY11434**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	2.60		mg/L	2	07/12/2022 9:19 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-14-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/07/2022 8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	67000		ug/L	5000	07/21/2022	MO
SW846/9253	Chloride - ASP	3200		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	34		mg/L	5.0	07/11/2022	MO

Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/12/22

SM20-2120B	Color, Apparent - ASP	30		units	1	07/06/2022 3:05 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	810		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/05/2022 3:07 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	155000		ug/L	5000	07/21/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO

Precision as measured by duplicate RPD exceeded 20% QC limit, possibly due to sample matrix interference. KA 7-14-22

SM22-4500NO ₂ B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/06/2022 12:03 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.262		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	8.32		Units	0.1	07/05/2022 3:37 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0082	J	mg/L	0.025	07/11/2022	MO
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Matrix spike recovery below acceptable QC limits due to possible sample matrix interferences.

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

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/12/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	419		mg/L	20.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	5353.3		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.783	B	mg/L	0.06	07/26/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr

SW846-9060A	Total Organic Carbon - ASP	0.755		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	13.4		NTU	0.02	07/06/2022 3:05 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
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NYSDOH ELAP and NELAC do not offer accreditation for Alkalinity, Ammonia, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen and Total Phosphorus in the S&HW Matrix. Unless the sample is otherwise qualified, all Quality Control acceptance criteria have satisfied method and NELAC requirements.

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

Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11434**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11434**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK**Received By :** JLM**Bottle No :** K536 408 640 563 K4554 480

CROTON, NY 10520

Collection Point : TRIP BLK**Collected By :** LAB**Collection Date :** 07/05/2022 AT 1:00:00PM**Submitted On :** 07/06/2022 AT 11:54:00AM**ID of Source :****PWS No. :**

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

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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Organics**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

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

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3067**EMAIL** 9/27/2022

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

Sample No. **AY11562**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11562**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11563**

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 - 3D

ID of Source :

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

add'l Report To :

Received By : JLM

Bottle No : S3330 B790 982 C124 D1211
E4066 F129 G4973 K8965 +

Collected By : DUVAL & STEY

Collection Date : 07/06/2022 AT 7:55:00AM

Submitted On : 07/06/2022 AT 11:54:00AM

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	77700		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	7430		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	31900		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	9410		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	98700		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	88.2		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	305		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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. AY11563

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	61.9		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	2.40		mg/L	2	07/12/2022 9:19 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-14-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/07/2022 8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	77700		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	240		mg/L	50.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	5		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	50		units	1	07/06/2022 3:05 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	320		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/06/2022 3:12 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	31900		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	5.32		mg/L	0.25	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/07/2022 2:32 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.00		Units	0.1	07/06/2022 3:40 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0220	J	mg/L	0.025	07/15/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

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

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	724.0		mg/L	2.0	07/07/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	5.32		mg/L	0.30	07/28/2022	MO
SW846-9060A	Total Organic Carbon - ASP	2.11		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	73.1		NTU	0.02	07/06/2022 3:05 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM

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

Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11563**

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

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11563**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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(914) 231-1620

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EMAIL 9/27/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK**Received By :** JLM

CROTON, NY 10520

Bottle No : S3326 B462 1016 C136 D1378
E3487 F699 G4495 K2108 46 41**Collection Point :** RFW - 4**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/06/2022 AT 8:55:00AM**Submitted On :** 07/06/2022 AT 11:54:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	825		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	81500		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	13700		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	121000		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	46700		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	792000		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	336		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	88.8		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	478		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. AY11564

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	220		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/12/2022 9:19 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-14-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/07/2022 8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	81500		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	1400		mg/L	250	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	72		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	40		units	1	07/06/2022 3:05 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	700		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/06/2022 3:12 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	121000		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	29.5		mg/L	1.25	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/07/2022 2:32 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	6.64		Units	0.1	07/06/2022 3:40 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	RH
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/12/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	3300.0		mg/L	2.0	07/07/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	28.9		mg/L	0.6	07/28/2022	MO
SW846-9060A	Total Organic Carbon - ASP	5.29		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	86.5		NTU	0.02	07/06/2022 3:05 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM

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

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

Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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Sample No. **AY11564**

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

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

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Report Number: 3067

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Sample No. **AY11564**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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

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QA Officer

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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 : S3339 B246 654 C036 D7436

E3435 F405 G5112 K8313+ 43 47

Collection Point : RFW - 5D**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/06/2022 AT 11:30:00AM**Submitted On :** 07/06/2022 AT 11:54:00AM

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

PWS No. :**Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	430		ug/L	200	07/21/2022	MO
EPA 6010C	Calcium	58900		ug/L	2000	07/21/2022	MO
EPA 6010C	Iron	17900		ug/L	100	07/21/2022	MO
EPA 6010C	Magnesium	81400		ug/L	2000	07/21/2022	MO
EPA 6010C	Potassium	27300		ug/L	200	07/21/2022	MO
EPA 6010C	Sodium	408000		ug/L	200	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	37.8		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	256		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	88.6		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	122		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11565**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22-2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	130		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	9.70		mg/L	2	07/12/2022 9:19 am	MO
<i>Dilution water blank exceeds 0.2 mg/L. KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed				07/07/2022 8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	58900		ug/L	2000	07/21/2022	MO
SW846/9253	Chloride - ASP	850		mg/L	125	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	39		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	100		units	1	07/06/2022 3:05 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	480		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/06/2022 3:12 pm	MO
<i>Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/7/22</i>							
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	81400		ug/L	2000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	20.8		mg/L	1.00	07/20/2022	MO
<i>Matrix spike recovery above acceptable QC limits due to possible sample matrix interferences. KA 07-21-22</i>							
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/07/2022 2:32 pm	MO
<i>Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/8/22</i>							
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.08		Units	0.1	07/06/2022 3:40 pm	JLM
<i>PH9040C Note: The Corrosivity/pH test is an Analyze Immediately On-Site (AIOS) parameter. AIOS parameters have a 15 minute hold time. The Laboratory provides this test result only as a guide. RWHJr</i>							
EPA 9065	Phenolics, Total Recoverable	0.0082	J	mg/L	0.025	07/15/2022	MO
<i>"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr</i>							
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO
<i>Ammonia as N analyzed by On-line Gas Diffusion Automated Salicylate Method, as appears in Method Update Rule II, 40CFR 136, Table 1B, Federal Register Volume 77 Number 97, pursuant to Clean Water Act promulgated 06/01/2012.</i>							
40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	2064.0		mg/L	2.0	07/07/2022	MO
<i>Sample and duplicate's precision is outside the 5% RPD method range. CM 7/8/22</i>							
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	18.8		mg/L	0.6	07/28/2022	MO
SW846-9060A	Total Organic Carbon - ASP	4.31		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	118.0		NTU	0.02	07/06/2022 3:05 pm	JLM

Organics

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DL = Detection Limit

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

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EMAIL 9/27/2022

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

Sample No. **AY11565**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11565**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11565**

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

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

tetrahydrofuran 5.45ug/L
1,4-dioxane 10.43ug/L

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

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

jc 8/24/22

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

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL**Received By :** JLM

CROTON, NY 10520

Bottle No : K521 K505 K4880 EXP530 500
1982**Collection Point :** LAB TRIP BLANK**Collected By :** LAB**ID of Source :****Collection Date :** 07/06/2022 AT 12:30:00PM**Submitted On :** 07/07/2022 AT 12:24:00PM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

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

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3067**EMAIL** 9/27/2022

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

Sample No. **AY11722**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11722**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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NYS ELAP # 10108
(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11723**

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 : S3355 B968 414 C137 D1463
E3427 G4755 F245 K9003+

Collection Point : RFW-7D

Collected By : STEY & DUVAL

ID of Source :

Collection Date : 07/07/2022 AT 8:30:00AM

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

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

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

add'l Report To :

Comment :

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	37800		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	13900		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	2450		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	8410		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	46.6		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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

Sample No. **AY11723**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	34.7		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/13/2022	9:30 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				07/08/2022	11:52 am MO
EPA 6010C	ASP Calcium by ICP-AES	37800		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	6.00		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/08/2022	3:27 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	150		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/07/2022	4:14 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	13900		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.0663		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/08/2022	2:58 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.65		Units	0.1	07/07/2022	2:06 pm JLM

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

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	RH
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	6.73		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	232.0		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.350	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr

SW846-9060A	Total Organic Carbon - ASP	0.971		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.02		NTU	0.02	07/08/2022	3:27 pm JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM

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

Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11723**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM

This sample had a pH of 2. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

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

Sample No. AY11723

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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

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QA Officer

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EMAIL 9/27/2022

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK**Received By :** JLM

CROTON, NY 10520

Bottle No : S3327 B1289 425 C1002 D6998
E3135 F425 G5168 K7466+**Collection Point :** RFW-7S**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 07/07/2022 AT 8:20:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**Submitted On :** 07/07/2022 AT 12:24:00PM**PWS No. :****Type Descriptor :****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
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	81600		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	2560		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	36800		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	1950		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	28100		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	450		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	84.1		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	124		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	1560		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	190		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11724**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	36.3		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/13/2022	9:30 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				07/08/2022	11:52 am MO
EPA 6010C	ASP Calcium by ICP-AES	81600		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	130		mg/L	25.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	40		units	1	07/08/2022	3:27 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	360		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/07/2022	4:14 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	36800		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.157		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/08/2022	2:58 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	3.69		mg/L	0.25	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.53		Units	0.1	07/07/2022	2:06 pm JLM

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

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	RH
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	16.1		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	531.0		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.513	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr

SW846-9060A	Total Organic Carbon - ASP	1.01		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	72.3		NTU	0.02	07/08/2022	3:27 pm JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM

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Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

Environmental Laboratories
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Sample No. **AY11724**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

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EMAIL 9/27/2022

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

Sample No. AY11724

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK**Received By :** JLM

CROTON, NY 10520

Bottle No : S3352 B988 1233 C1527 D1490
E3462 F123 G5101 K8155**Collection Point :** RFW-8**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 07/07/2022 AT 10:00:00AM**Submitted On :** 07/07/2022 AT 12:24:00PM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**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	08/31/2022	MO
EPA 6010C	Calcium	163000		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	6620		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	60700		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	2480		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	50700		ug/L	100	08/31/2022	MO

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	90.6		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	177		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	1170		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	30.4		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	126		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	46.3		ug/L	20.0	07/14/2022	MO

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J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3067**EMAIL** 9/27/2022

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

Sample No. **AY11725**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	60.2		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/13/2022	9:30 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				07/08/2022	11:52 am MO
EPA 6010C	ASP Calcium by ICP-AES	163000		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	360		mg/L	50.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO

Matrix spiked sample recovery is below the acceptable range due to a possible matrix interference. E.M. 7/13/2022

HACH 8000	Chemical Oxygen Demand - ASP	51		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	50		units	1	07/08/2022	3:27 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	660		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/07/2022	4:14 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	60700		ug/L	1.00	08/31/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	0.0567		mg/L	0.05	07/20/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/08/2022	2:58 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	9.19		mg/L	0.5	07/21/2022	MO
EPA 9040C	Corrosivity/pH	6.46		Units	0.1	07/07/2022	2:06 pm JLM

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

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	RH
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Matrix spike recovery below acceptable QC limits due to possible sample matrix interferences.

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/19/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	42.3		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	1280.0		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.423	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr

SW846-9060A	Total Organic Carbon - ASP	0.792		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	53.0		NTU	0.02	07/08/2022	3:27 pm JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM

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Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11725**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr

VOC's in water-EPA 8260C

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

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11725**

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

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

GZ 9/24/2022

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

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

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 : S3351 B1040 902 C118 D7306
E3351 F55 G4836 K9050+ 44 65**Collection Point :** RFW-6**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 07/07/2022 AT 7:35:00AM**Submitted On :** 07/07/2022 AT 12:24:00PM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :** **Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**add'l Report To :****Sample Type :** NP_STRM**Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	1040		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	160000		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	25600		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	103000		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	5140		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	358000		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	192		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	622		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	1060		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	15.3		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	79.8		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	1480		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	418		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	69.6		ug/L	20.0	07/14/2022	MO

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3067**EMAIL** 9/27/2022

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

Sample No. **AY11726**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	180		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/13/2022	9:30 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				07/08/2022	11:52 am MO
EPA 6010C	ASP Calcium by ICP-AES	160000		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	750		mg/L	125	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	0.005		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	150		units	10	07/08/2022	3:27 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	820		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/07/2022	4:14 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	103000		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.104		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0166		mg/L	0.01	07/08/2022	2:58 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.883		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	6.93		Units	0.1	07/07/2022	2:06 pm JLM

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

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/15/2022	RH
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	41.1		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	2064.0		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	1.59	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). RWHJr

SW846-9060A	Total Organic Carbon - ASP	4.72		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	170.0		NTU	0.02	07/08/2022	3:27 pm JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM

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

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

Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

Environmental Laboratories
NYS ELAP # 10108
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These analytical results relate only to the sample identified in this report.

Sample No. **AY11726**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. JC/RWHJr

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	0.721		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	1.75		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	1.39		ug/L	0.50	07/14/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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

Sample No. **AY11726**

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

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

The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:
Tetrahydrofuran: 11.5ug/L

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

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

jc/GZ 9/24/22

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J=value is an estimate

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL**Received By :** KB JLM

CROTON, NY 10520

Bottle No : K459 461 4682 K4643 4714 4864**Collection Point :** TRIP BLK**Collected By :** LAB**ID of Source :****Collection Date :** 07/07/2022 AT 1:00:00PM**Submitted On :** 07/11/2022 AT 11:54:00AM

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

PWS No. :**Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Organics							
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM

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

VOC's in water-EPA 8260C

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3067**EMAIL** 9/27/2022

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

Sample No. **AY11877**

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

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DL = Detection Limit

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY11877**

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL**Received By :** JLM

CROTON, NY 10520

Bottle No : S728 E4023 F163 G4966 B372 744
C3823 D662 K77 55 67+**Collection Point :** RINSE BLK**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/13/2022 AT 11:00:00AM**Submitted On :** 07/13/2022 AT 11:39:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/21/2022	MO

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H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY12060**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	<LOQ		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022 9:21 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/13/2022 12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/14/2022 3:38 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022 3:50 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1.00	08/31/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/14/2022 2:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.19		Units	0.1	07/13/2022 3:20 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0085	J	mg/L	0.025	07/21/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/26/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	< LOQ		mg/L	2.0	07/14/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.305	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	0.976		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	0.02		NTU	0.02	07/14/2022 3:38 pm	JLM

Organics**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY12060**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	1.70		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. AY12060

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

Trans-1,3-dichloropropene and 1,2,4-trimethylbenzene recovered below acceptable QC limits due to possible matrix interference.
Established low bias on <LOQ results renders the analytical data suspect.

GZ 9/24/2022

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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(914) 231-1620

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EMAIL 9/27/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK**Received By :** JLM

CROTON, NY 10520

Bottle No : S3332 B187 1277 C129 D669

E3489 F312 G4653 K8484+ 4 7

Collection Point : MARSH RIGHT SRF 3A**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/13/2022 AT 9:30:00AM**Submitted On :** 07/13/2022 AT 11:39:00AM

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

PWS No. :**Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Calcium	86500		ug/L	25000	09/01/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Magnesium	229000		ug/L	25000	09/01/2022	MO
EPA 6010C	Potassium	66800		ug/L	2500	09/01/2022	MO
EPA 6010C	Sodium	1800000		ug/L	2500	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	155		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	12.5		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	36.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	332		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	58.1		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	41.6		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY12062**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	75.9		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022 9:21 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/13/2022 12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	86500		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	4200		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	45		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022 3:38 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1200		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022 3:50 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	229000		ug/L	1.00	09/01/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	0.0100		mg/L	0.01	07/14/2022 2:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.278		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.39		Units	0.1	07/13/2022 3:20 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0101	J	mg/L	0.025	07/21/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/26/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	577		mg/L	87.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	7986.7		mg/L	2.0	07/15/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.701	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	0.697		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.43		NTU	0.02	07/14/2022 3:38 pm	JLM

Organics**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM

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

Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY12062**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

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

Sample No. **AY12062**

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

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Approved By **Michele Matos**

QA Officer

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NYS ELAP # 10108
(914) 231-1620

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK**Received By :** JLM

CROTON, NY 10520

Bottle No : S3345 B1085 1090 C100 D1340
E4119 F209 G5004 K7556+ 5 8**Collection Point :** TELLERS POINT RIGHT SRF 1A**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/13/2022 AT 9:00:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**Submitted On :** 07/13/2022 AT 11:39:00AM**PWS No. :****Type Descriptor :****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
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Calcium	83300		ug/L	25000	09/01/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Magnesium	209000		ug/L	25000	09/01/2022	MO
EPA 6010C	Potassium	62900		ug/L	2500	09/01/2022	MO
EPA 6010C	Sodium	1660000		ug/L	2500	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	148		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	11.4		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	36.8		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	689		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	47.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	40.0		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/27/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY12065**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	75.4		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022 9:21 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/13/2022 12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	83300		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	3800		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	46		mg/L	5.0	07/19/2022	MO

Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/25/22

SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022 3:38 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1100		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022 3:50 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	209000		ug/L	1.00	09/01/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	0.0109		mg/L	0.01	07/14/2022 2:39 pm	MO

Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/14/22

EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.186		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.74		Units	0.1	07/13/2022 3:20 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0107	J	mg/L	0.025	07/21/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/26/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	506		mg/L	77.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	6400.0		mg/L	2.0	07/14/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.723	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	0.744		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.09		NTU	0.02	07/14/2022 3:38 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM

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Approved By **Michele Matos** QA Officer Date Approved : 09/27/2022

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NYS ELAP # 10108
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Report Number: 3067

EMAIL 9/27/2022

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Sample No. **AY12065**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3067

EMAIL 9/27/2022

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

Sample No. **AY12065**

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

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

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/27/2022

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

Report Number: 3067

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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 : S3356 B410 1219 C133 D1590
E4114 F113G5069 K8719+**Collection Point :** RR 5**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 06/28/2022 AT 11:00:00AM**Submitted On :** 06/28/2022 AT 11:50:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	133000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	3630		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	22900		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	5280		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	24500		ug/L	100	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	132		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	802		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/28/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3069**EMAIL** 9/28/2022

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

Sample No. **AY11014**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	451		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/04/2022	11:08 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				06/29/2022	12:26 pm MO
EPA 6010C	ASP Calcium by ICP-AES	133000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	65.0		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/01/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	6		mg/L	5.0	07/05/2022	MO
SM20-2120B	Color, Apparent - ASP	40		units	1	06/29/2022	2:18 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	430		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/28/2022	4:06 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/14/2022	MO
SW846-6010C	ASP Magnesium	22900		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	0.291		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0270		mg/L	0.01	06/29/2022	11:47 am MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.568		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.87		Units	0.1	06/28/2022	2:01 pm JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0079	J	mg/L	0.025	07/07/2022	MM
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM

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

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	21.0		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	642.0		mg/L	2.0	06/29/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.936	B	mg/L	0.06	07/26/2022	MO

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

SW846-9060A	Total Organic Carbon - ASP	6.47		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	17.8		NTU	0.02	06/29/2022	2:18 pm JLM

Organics

VOCs by 8260C Baseline Expanded

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

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

Approved By *Michele Matos* **QA Officer** **Date Approved :** 09/28/2022

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

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY11014**

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

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

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

VOC's in water-EPA 8260C

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

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY11014**

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

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

jc/GZ 9/24/2022

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

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

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY11127**

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 : RR6 DUP

ID of Source :

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

add'l Report To :

Received By : JLM

Bottle No : S3344 B1056 1286 C125 D1222
E3412 F62 G4856 K6834

Collected By : STEY & DUVAL

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

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

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

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

ASP Metals by EPA 6010C

EPA 6010C	Boron	< LOQ		ug/L	100	07/21/2022	MO
EPA 6010C	Calcium	129000		ug/L	1000	07/21/2022	MO
EPA 6010C	Iron	5140		ug/L	50	07/21/2022	MO
EPA 6010C	Magnesium	35800		ug/L	1000	07/21/2022	MO
EPA 6010C	Potassium	4000		ug/L	100	07/21/2022	MO
EPA 6010C	Sodium	6060		ug/L	100	07/21/2022	MO

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	217		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	3180		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY11127**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	485		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/05/2022 9:04 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-8-22

SM21-5210B	ASP BOD Set Date and Time	Completed				06/30/2022 12:08 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	129000		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	5.00		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	5		units	1	06/29/2022 2:18 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	470		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/29/2022 2:49 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	35800		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.492		mg/L	0.10	06/30/2022 12:18 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	2.35		mg/L	0.25	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.84		Units	0.1	06/29/2022 2:10 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0116	J	mg/L	0.025	07/07/2022	MM
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM

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

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	51.0		mg/L	2.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	610.7		mg/L	2.0	06/30/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.372	B	mg/L	0.06	07/26/2022	MO

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

SW846-9060A	Total Organic Carbon - ASP	2.76		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	2.42		NTU	0.02	06/29/2022 2:18 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

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

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

Approved By **Michele Matos** QA Officer Date Approved : 09/28/2022

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

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY11127**

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

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

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

VOC's in water-EPA 8260C

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

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY11127**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	1.75		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/01/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/01/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Tetrachloroethene	0.970		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/01/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/01/2022	GZ2

Surrogate 4-Bromofluorobenzene recovered higher than the QC criteria.

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

GZ 9/24/2022

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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EMAIL 9/28/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK**Received By :** JLM

CROTON, NY 10520

Bottle No : S3357 B430 842 G5111 E4107
F232 D75 C104 K8697+ 19 17**Collection Point :** SURFACE RR LEFT**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 06/29/2022 AT 10:15:00AM**Submitted On :** 06/29/2022 AT 11:19:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :****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
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	1010		ug/L	1000	07/21/2022	MO
EPA 6010C	Calcium	64500		ug/L	10000	07/21/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	500	07/21/2022	MO
EPA 6010C	Magnesium	146000		ug/L	10000	07/21/2022	MO
EPA 6010C	Potassium	44600		ug/L	1000	07/21/2022	MO
EPA 6010C	Sodium	1140000		ug/L	1000	07/21/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	136		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	28.3		ug/L	10.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	57.2		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	60.6		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	21.2		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO

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

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J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/28/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3069**EMAIL** 9/28/2022

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

Sample No. **AY11128**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	71.5		mg/L	5.0	07/05/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/05/2022 9:04 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-8-22

SM21-5210B	ASP BOD Set Date and Time	Completed				06/30/2022 12:08 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	64500		ug/L	10000	07/21/2022	MO
SW846/9253	Chloride - ASP	2900		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/05/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	36		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	06/29/2022 2:18 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	760		mg/L	1	07/25/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	06/29/2022 2:49 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	146000		ug/L	10000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/08/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0114		mg/L	0.01	06/30/2022 12:18 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.443		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.56		Units	0.1	06/29/2022 2:10 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0076	J	mg/L	0.025	07/07/2022	MM
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM

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

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	379		mg/L	10.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	4864.0		mg/L	2.0	06/30/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.478	B	mg/L	0.06	07/26/2022	MO

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

SW846-9060A	Total Organic Carbon - ASP	0.802		mg/L as C	0.25	07/05/2022	MO
EPA 180.1	Turbidity	7.40		NTU	0.02	06/29/2022 2:18 pm	JLM

Organics**VOCs by 8260C Baseline Expanded**

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

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LOQ = Limit of Quantitation

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY11128**

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

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

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

VOC's in water-EPA 8260C

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

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Sample No. **AY11128**

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

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Approved By *Michele Matos*

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

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

Sample No. **AY11431**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK

CROTON, NY 10520

Collection Point : RINSE BLK

ID of Source :

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

add'l Report To :

Received By : JLM

Bottle No : S1024 D5138 C227 F409 B1051
B1235 G4943 E3456 K6356+

Collected By : DUVAL & STEY

Collection Date : 07/05/2022 AT 10:00:00AM

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

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : NP_STRM

Comment :

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

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Approved By **Michele Matos**

QA Officer

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Sample No. **AY11431**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/12/2022 9:19 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-14-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/07/2022 8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/11/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/06/2022 3:05 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/05/2022 3:07 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/06/2022 12:03 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.874		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.11		Units	0.1	07/05/2022 3:37 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	0.004	07/11/2022	MM
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/12/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	< LOQ		mg/L	2.0	07/06/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.314	B	mg/L	0.06	07/26/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	1.25		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.15		NTU	0.02	07/06/2022 3:05 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM

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

Approved By **Michele Matos** QA Officer Date Approved : 09/28/2022

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

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY11431**

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

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

The method stipulated preservation requirement is a pH <2 for all other analytes. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

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Sample No. **AY11431**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	1.68		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL**Received By :** JLM

CROTON, NY 10520

Bottle No : S3301 C202 D7213 E3237 F632
G4982 B665 128 K815 +**Collection Point :** RINSE BLK**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/06/2022 AT 11:30:00AM**Submitted On :** 07/06/2022 AT 11:54:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :** **Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/28/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3069**EMAIL** 9/28/2022

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

Sample No. AY11561

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/12/2022 9:19 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-14-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/07/2022 8:18 am	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1000	07/21/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/06/2022 3:05 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	07/21/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/06/2022 3:12 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1000	07/21/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/12/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/07/2022 2:32 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	6.75		Units	0.1	07/06/2022 3:40 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	.004	07/15/2022	MM
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/12/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/11/2022	MO
SM22-2540C	Total Dissolved Solids	2.8		mg/L	2.0	07/07/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.347	B	mg/L	0.06	07/26/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	1.64		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.02		NTU	0.02	07/06/2022 3:05 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM

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

Approved By **Michele Matos** QA Officer Date Approved : 09/28/2022

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

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY11561**

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

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

The method stipulated preservation requirement is a pH <2 for all other analytes. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY11561**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	1.74		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

Methly tert-butyl ether exceeded the calibration curve and is an estimate, jc 9/8/22

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL**Received By :** JLM

CROTON, NY 10520

Bottle No : S3077 D1464 C148 B614 B1226
G4664 F244 E3244 K3138+**Collection Point :** RINSE BLANK**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 07/07/2022 AT 11:45:00AM**Submitted On :** 07/07/2022 AT 12:24:00PM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	51.6		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	35.9		ug/L	10.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/20/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/14/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/14/2022	MO

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LOQ = Limit of Quantitation

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Approved By Michele Matos**QA Officer****Date Approved :** 09/28/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3069**EMAIL** 9/28/2022

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

Sample No. **AY11721**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/14/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/13/2022	9:30 am MO
SM21-5210B	ASP BOD Set Date and Time	Completed				07/08/2022	11:52 am MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/08/2022	3:27 pm JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/07/2022	4:14 pm MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.0512		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/08/2022	2:58 pm MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.21		Units	0.1	07/07/2022	2:06 pm JLM

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

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	.004	07/15/2022	MM
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	14.0		mg/L	2.0	07/08/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.301	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	0.935		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.02		NTU	0.02	07/08/2022	3:27 pm JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM

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

Approved By *Michele Matos* **QA Officer** **Date Approved :** 09/28/2022

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

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY11721**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM

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

The method stipulated preservation requirement is a pH <2 for all other analytes. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	1.69		ug/L	0.50	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

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

Sample No. **AY11721**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

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EMAIL 9/28/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAND FILL**Received By :** KB JLM

CROTON, NY 10520

Bottle No : S3070 C113 D5054 B1031 B1234
G4897 F338 E3144 K6121+**Collection Point :** RINSE BLK**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 07/11/2022 AT 11:15:00AM**Submitted On :** 07/11/2022 AT 11:52:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :** **Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****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	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	< LOQ		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	< LOQ		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	< LOQ		ug/L	100	08/31/2022	MO

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	11.2		ug/L	10.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Barium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Manganese	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	4.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	4.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	2.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	4.0	07/21/2022	MO

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/28/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3069**EMAIL** 9/28/2022

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

Sample No. **AY11876**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	16.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	<LOQ		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022 10:16 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/12/2022 10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	< LOQ		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	< LOQ		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/12/2022 3:10 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	< LOQ		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022 2:43 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	< LOQ		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	0.0570		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022 11:52 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	8.38		Units	0.1	07/11/2022 2:43 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	.004	07/15/2022	MM
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	31.6		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.273	B	mg/L	0.06	07/25/2022	MO

Matrix spike recovery below acceptable QC limits due to possible sample matrix interferences. tmb 7/26/22

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	0.923		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.02		NTU	0.02	07/12/2022 3:10 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM

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

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

Approved By	Michele Matos	QA Officer	Date Approved :	09/28/2022
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Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. AY11876

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM

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

The method stipulated preservation requirement is a pH <2 for all other analytes. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result. MM

VOC's in water-EPA 8260C

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

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

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

Sample No. **AY11876**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	1.58		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK**Received By :** JLM

CROTON, NY 10520

Bottle No : S3325 B715 1036 C138 D1311
E4058 F697 G4823 K6620+ 2 1**Collection Point :** MARSH LEFT SRF 3B**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/13/2022 AT 9:15:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**Submitted On :** 07/13/2022 AT 11:39:00AM**PWS No. :****Type Descriptor :** **Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Calcium	94400		ug/L	25000	09/01/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Magnesium	246000		ug/L	25000	09/01/2022	MO
EPA 6010C	Potassium	73500		ug/L	2500	09/01/2022	MO
EPA 6010C	Sodium	1940000		ug/L	2500	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	173		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	15.4		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	42.4		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	642		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	70.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	51.7		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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Approved By Michele Matos**QA Officer****Date Approved :** 09/28/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. AY12063

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	75.5		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022 9:21 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/13/2022 12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	94400		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	4400		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	38		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022 3:38 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1200		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022 3:50 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	246000		ug/L	1.00	09/01/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0101		mg/L	0.01	07/14/2022 2:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.289		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.26		Units	0.1	07/13/2022 3:20 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	Not Detected		mg/L	.004	07/21/2022	MM
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH4 Preparation	Completed				07/26/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	581		mg/L	86.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	7353.3		mg/L	2.0	07/15/2022	MO

Sample and duplicate's precision is outside the 5% RPD method range. CM 7/18/22

SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.675	B	mg/L	0.06	07/25/2022	MO
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Matrix spike recovery below acceptable QC limits due to possible sample matrix interferences. tmb 7/26/22

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	0.713		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.22		NTU	0.02	07/14/2022 3:38 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM

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Approved By **Michele Matos** QA Officer Date Approved : 09/28/2022

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

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY12063**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3069

EMAIL 9/28/2022

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

Sample No. **AY12063**

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

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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 :** JLM

CROTON, NY 10520

Bottle No : S3332 B187 1277 C129 D669

E3489 F312 G4653 K8484+ 4 7

Collection Point : MARSH RIGHT SRF 3A**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/13/2022 AT 9:30:00AM**Submitted On :** 07/13/2022 AT 11:39:00AM

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

PWS No. :**Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Calcium	86500		ug/L	25000	09/01/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Magnesium	229000		ug/L	25000	09/01/2022	MO
EPA 6010C	Potassium	66800		ug/L	2500	09/01/2022	MO
EPA 6010C	Sodium	1800000		ug/L	2500	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	155		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	12.5		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	36.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	332		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	58.1		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	41.6		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 09/28/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3070**EMAIL** 9/28/2022

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

Sample No. **AY12062**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	75.9		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022 9:21 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/13/2022 12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	86500		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	4200		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	45		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022 3:38 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1200		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022 3:50 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	229000		ug/L	1.00	09/01/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	0.0100		mg/L	0.01	07/14/2022 2:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.278		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.39		Units	0.1	07/13/2022 3:20 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0101	J	mg/L	0.025	07/21/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/26/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	577		mg/L	87.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	7986.7		mg/L	2.0	07/15/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.701	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	0.697		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.43		NTU	0.02	07/14/2022 3:38 pm	JLM

Organics**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3070

EMAIL 9/28/2022

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

Sample No. **AY12062**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2

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H = exceeds holding time

Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/28/2022

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

Report Number: 3070

EMAIL 9/28/2022

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

Sample No. **AY12062**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
Correction	THIS IS A CORRECTED COPY	Completed				07/18/2022	RH

Comments: Original report lacked the 1,4-Dioxane reporting. RWHJr.

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Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3070

EMAIL 9/28/2022

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

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 : S3334 B534 1099 C1001 D1026
E4011 F640 G5178 K7058+ 11 10**Collection Point :** TELLERS POINT LEFT SRF 1B**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/13/2022 AT 9:05:00AM**Submitted On :** 07/13/2022 AT 11:39:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

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

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H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 09/28/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3070**EMAIL** 9/28/2022

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

Sample No. **AY12064**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	75.4		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022 9:21 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/13/2022 12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	82900		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	3900		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	44		mg/L	5.0	07/19/2022	MO
SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022 3:38 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1100		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022 3:50 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	206000		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	0.0111		mg/L	0.01	07/14/2022 2:39 pm	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.167		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.67		Units	0.1	07/13/2022 3:20 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0093	J	mg/L	0.025	07/21/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. MM

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH4 Preparation	Completed				07/26/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	513		mg/L	77.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	6326.7		mg/L	2.0	07/14/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.693	B	mg/L	0.06	07/25/2022	MO

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

SW846-9060A	Total Organic Carbon - ASP	0.753		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.17		NTU	0.02	07/14/2022 3:38 pm	JLM

Organics**VOCs by 8260C Baseline Expanded**

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/14/2022	GZ2
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/14/2022	GZ2
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/14/2022	GZ2
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/14/2022	GZ2
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/14/2022	GZ2

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3070

EMAIL 9/28/2022

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

Sample No. **AY12064**

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

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

jc/GZ 9/24/2022

VOC's in water-EPA 8260C

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

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Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

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EMAIL 9/28/2022

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

Sample No. **AY12064**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
Correction	THIS IS A CORRECTED COPY	Completed				07/18/2022	RH
Comments: Original report lacked the 1,4-Dioxane reporting. RWHJr.							

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Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

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Report Number: 3070

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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 :** JLM

CROTON, NY 10520

Bottle No : S3345 B1085 1090 C100 D1340
E4119 F209 G5004 K7556+ 5 8**Collection Point :** TELLERS POINT RIGHT SRF 1A**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/13/2022 AT 9:00:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**Submitted On :** 07/13/2022 AT 11:39:00AM**PWS No. :****Type Descriptor :** **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
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Calcium	83300		ug/L	25000	09/01/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	1250	09/01/2022	MO
EPA 6010C	Magnesium	209000		ug/L	25000	09/01/2022	MO
EPA 6010C	Potassium	62900		ug/L	2500	09/01/2022	MO
EPA 6010C	Sodium	1660000		ug/L	2500	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	148		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	11.4		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	36.8		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	689		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	47.3		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	40.0		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 09/28/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3070**EMAIL** 9/28/2022

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

Sample No. **AY12065**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	75.4		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/18/2022 9:21 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/13/2022 12:27 pm	MO
EPA 6010C	ASP Calcium by ICP-AES	83300		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	3800		mg/L	500	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/22/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	46		mg/L	5.0	07/19/2022	MO

Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/25/22

SM20-2120B	Color, Apparent - ASP	25		units	1	07/14/2022 3:38 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	1100		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/13/2022 3:50 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	209000		ug/L	1.00	09/01/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	< LOQ		mg/L	0.05	07/26/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	0.0109		mg/L	0.01	07/14/2022 2:39 pm	MO

Matrix spike recovery below QC limits due to possible matrix interferences. CM 7/14/22

EPA 353.2, Rev 2.0	N-Nitrate Calculated	0.186		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.74		Units	0.1	07/13/2022 3:20 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0107	J	mg/L	0.025	07/21/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/26/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	506		mg/L	77.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	6400.0		mg/L	2.0	07/14/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.723	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	0.744		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	9.09		NTU	0.02	07/14/2022 3:38 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM

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Approved By **Robert Hilbrandt Jr.** Chief of Env. Lab Services Date Approved : 09/28/2022

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

Report Number: 3070

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Sample No. **AY12065**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

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Sample No. **AY12065**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/14/2022	GZ2
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
Correction	THIS IS A CORRECTED COPY	Completed				07/18/2022	RH

Comments: Original report lacked the 1,4-Dioxane reporting. RWHJr.

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3070

EMAIL 9/28/2022

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

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 : S3347 B324 1278 C79 D975 E3350
F104 G5046 K4587+ 50 63**Collection Point :** RFW 10S**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 07/11/2022 AT 7:35:00AM**Submitted On :** 07/11/2022 AT 11:55:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**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	81.3		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	244000		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	15000		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	71800		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	5560		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	78500		ug/L	100	08/31/2022	MO

Sodium, Magnesium and Calcium matrix spikes exceeded acceptable QC limits due to matrix enhancement (high analyte value enhanced spike recovery). MO/RH

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	2560		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	264		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	611		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	146		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	117		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/21/2022	MO

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 09/28/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3072**EMAIL** 9/29/2022

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

Sample No. **AY11878**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	36.0		ug/L	20.0	07/21/2022	MO
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO

Aluminum matrix spike recovery exceeded acceptable QC limits due to matrix enhancement (high analyte value enhanced spike recovery). MO/RH

SM22 2320B	Alkalinity to pH 4.5 as mg CaCO3/L - ASP	597		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022 10:16 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/12/2022 10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	244000		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	400		mg/L	50.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	200		units	10	07/12/2022 3:10 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	900		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022 2:43 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	71800		ug/L	1.00	08/31/2022	MO
SM22-4500NH3-G	Ammonia as N	< LOQ		mg/L	0.05	07/20/2022	MO
SM22-4500NO2B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022 11:52 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	6.90		Units	0.1	07/11/2022 2:43 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0062	J	mg/L	0.025	07/21/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH4 Preparation	Completed				07/19/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	86.7		mg/L	3.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	1470.0		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.466	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	1.59		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	521		NTU	0.02	07/12/2022 3:10 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

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

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

Approved By **Robert Hilbrandt Jr.** Chief of Env. Lab Services Date Approved : 09/28/2022

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

Report Number: 3072

EMAIL 9/29/2022

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

Sample No. **AY11878**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/28/2022

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

Report Number: 3072

EMAIL 9/29/2022

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

Sample No. **AY11878**

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

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/28/2022

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

Report Number: 3072

EMAIL 9/29/2022

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

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 : S3350 B694 702 C160 D1217

E3490 F139 G5080 K6819+ 52 51

Collection Point : RFW 10D**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 07/11/2022 AT 8:00:00AM

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

Submitted On : 07/11/2022 AT 11:55:00AM**PWS No. :****Type Descriptor :****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
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	76200		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	< LOQ		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	21700		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	3500		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	14200		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	122		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	120		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	35.7		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 09/28/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3072

EMAIL 9/29/2022

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

Sample No. **AY11879**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	239		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022 10:16 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/12/2022 10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	76200		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	81.0		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	<LOQ		units	1	07/12/2022 3:10 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	280		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022 2:43 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	21700		ug/L	1.00	08/31/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	0.0748		mg/L	0.05	07/20/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022 11:52 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/21/2022	MO
EPA 9040C	Corrosivity/pH	7.39		Units	0.1	07/11/2022 2:43 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0045	J	mg/L	0.025	07/21/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/19/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	12.6		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	426.0		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.353	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	2.21		mg/L as C	0.25	07/13/2022	MO
EPA 180.1	Turbidity	0.64		NTU	0.02	07/12/2022 3:10 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM

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

Approved By *Robert Hilbrandt Jr.* **Chief of Env. Lab Services** **Date Approved :** 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3072

EMAIL 9/29/2022

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

Sample No. **AY11879**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3072

EMAIL 9/29/2022

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

Sample No. AY11879

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

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

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

1,4-dioxane: 6.3ug/L

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

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

jc/GZ 9/24/22

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

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LOQ = Limit of Quantitation

J=value is an estimate

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Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/28/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3072

EMAIL 9/29/2022

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

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON POINT PARK**Received By :** KB JLM

CROTON, NY 10520

Bottle No : S3346 B665 1067 C1521 D7695

E3134 F656 G4676 K9052+ 55 58

Collection Point : RFW 11S**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 07/11/2022 AT 9:10:00AM

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

Submitted On : 07/11/2022 AT 11:56:00AM**PWS No. :****Type Descriptor :****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
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	85.9		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	56600		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	9000		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	27000		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	9570		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	86300		ug/L	100	08/31/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	163		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	72.5		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	510		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 09/29/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3076**EMAIL** 9/29/2022

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

Sample No. **AY11880**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	335		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	3.20		mg/L	2	07/17/2022 10:16 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/12/2022 10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	56600		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	155		mg/L	25.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	10		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	100		units	1	07/12/2022 3:10 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	250		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022 2:43 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	27000		ug/L	1.00	08/31/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	2.49		mg/L	0.25	07/20/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022 11:52 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.15		Units	0.1	07/11/2022 2:43 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0064	J	mg/L	0.025	07/21/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/19/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	581.3		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	2.67	B	mg/L	0.30	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	3.77		mg/L as C	0.25	07/20/2022	MO
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Matrix spike recovery above acceptable QC limits due to possible sample matrix interferences.

EPA 180.1	Turbidity	74.4		NTU	0.02	07/12/2022 3:10 pm	JLM
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Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM

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

Approved By **Robert Hilbrandt Jr.** Chief of Env. Lab Services Date Approved : 09/29/2022

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

Report Number: 3076

EMAIL 9/29/2022

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

Sample No. **AY11880**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetone	54.5		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM

Surrogate 4-bromofluorobenzene recovered higher than the QC criteria jc 9/8/22

VOC's in water-EPA 8260C

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

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3076

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

Sample No. **AY11880**

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

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

Acetone: 54.5 ug/L

Tentative identification of non-target sample components has to have an area height >10% nearest internal standard and a mass spectral library search result (Q-value) of 85% or greater for reporting. The laboratory provides these TIC results to facilitate remediation. NYSDOH ELAP and TNI do not offer accreditation for these TIC list chemicals in the S&HW matrix. RWHJr/GZ 9/24/2022

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

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Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

NYS ELAP # 10108

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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 : S3336 B647 585 C103 D7192

E3315 F622 G5041 K1516+ 53 54

Collection Point : RFW 11D**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 07/11/2022 AT 9:45:00AM**Submitted On :** 07/11/2022 AT 11:56:00AM

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

PWS No. :**Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	300		ug/L	50	08/31/2022	MO
EPA 6010C	Calcium	69800		ug/L	1000	08/31/2022	MO
EPA 6010C	Iron	16000		ug/L	50	08/31/2022	MO
EPA 6010C	Magnesium	94900		ug/L	1000	08/31/2022	MO
EPA 6010C	Potassium	35700		ug/L	100	08/31/2022	MO
EPA 6010C	Sodium	619000		ug/L	1000	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	241		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	67.8		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	151		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 09/29/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3076**EMAIL** 9/29/2022

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

Sample No. **AY11881**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	779		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022 10:16 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/12/2022 10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	69800		ug/L	1.00	08/31/2022	MO
SW846/9253	Chloride - ASP	1250		mg/L	125	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	35		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	100		units	1	07/12/2022 3:10 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	560		mg/L	1	08/31/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022 2:43 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	94900		ug/L	1.00	08/31/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	38.5		mg/L	5.00	07/20/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022 11:52 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.79		Units	0.1	07/11/2022 2:43 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0249	J	mg/L	0.025	07/21/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/19/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	MO
SW846/9056A	Sulfate, Aqueous - ASP	< LOQ		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	2816.0		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	31.8	B	mg/L	3.08	07/29/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	3.83		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	233		NTU	0.02	07/12/2022 3:10 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM

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Approved By **Robert Hilbrandt Jr.** Chief of Env. Lab Services Date Approved : 09/29/2022

Environmental Laboratories
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EMAIL 9/29/2022

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Sample No. **AY11881**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

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Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/29/2022

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EMAIL 9/29/2022

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Sample No. **AY11881**

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

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.
jc/GZ 9/24/2022

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/29/2022

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

Report Number: 3076

EMAIL 9/29/2022

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

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 12S**ID of Source :**

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

add'l Report To :**Received By :** KB JLM

Bottle No : S3337 B426 270 C122 D5000
 E4152 F11 G4890 K8320+ 56 57

Collected By : STEY & DUVAL**Collection Date :** 07/11/2022 AT 10:20:00AM**Submitted On :** 07/11/2022 AT 11:57:00AM**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	09/01/2022	MO
EPA 6010C	Calcium	51100		ug/L	1000	09/01/2022	MO
EPA 6010C	Iron	5240		ug/L	50	09/01/2022	MO
EPA 6010C	Magnesium	15600		ug/L	1000	09/01/2022	MO
EPA 6010C	Potassium	1920		ug/L	100	09/01/2022	MO
EPA 6010C	Sodium	8740		ug/L	100	09/01/2022	MO

ASP Metals by EPA 6020A

EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	63.6		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	269		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 09/29/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3076**EMAIL** 9/29/2022

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

Sample No. **AY11882**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	239		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022 10:16 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/12/2022 10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	51100		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	8.00		mg/L	5.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	< LOQ		mg/L	5.0	07/13/2022	MO
SM20-2120B	Color, Apparent - ASP	40		units	1	07/12/2022 3:10 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	190		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022 2:43 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
SW846-6010C	ASP Magnesium	15600		ug/L	1.00	09/01/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	0.259		mg/L	0.05	07/20/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022 11:52 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	7.38		Units	0.1	07/11/2022 2:43 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0071	J	mg/L	0.025	07/21/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/19/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	2.93		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	300.0		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.696	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	2.51		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	55.3		NTU	0.02	07/12/2022 3:10 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM

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Approved By **Robert Hilbrandt Jr.** Chief of Env. Lab Services Date Approved : 09/29/2022

Environmental Laboratories
NYS ELAP # 10108
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Report Number: 3076

EMAIL 9/29/2022

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

Sample No. **AY11882**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM

Surrogate 4-bromofluorobenzene recovered higher than the QC criteria jc 9/8/22

VOC's in water-EPA 8260C

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

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Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3076

EMAIL 9/29/2022

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

Sample No. **AY11882**

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

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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 : S3324 B784 576 C150 D7236

E3292 F621 G5121 K6371+ 59 60

Collection Point : RFW 12D**Collected By :** STEY & DUVAL**ID of Source :****Collection Date :** 07/11/2022 AT 10:55:00AM**Submitted On :** 07/11/2022 AT 11:57:00AM

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

PWS No. :**Type Descriptor :****Source ID :** 000**pH :****Free Cl2 :****Residual Cl2 :****Sample chilled on arrival ? :** YES**Sample Type :** NP_STRM**add'l Report To :****Comment :**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
Inorganics							
ASP Metals by EPA 6010C							
EPA 6010C	Boron	98.7		ug/L	50	09/01/2022	MO
EPA 6010C	Calcium	78000		ug/L	1000	09/01/2022	MO
EPA 6010C	Iron	933		ug/L	50	09/01/2022	MO
EPA 6010C	Magnesium	28700		ug/L	1000	09/01/2022	MO
EPA 6010C	Potassium	3470		ug/L	100	09/01/2022	MO
EPA 6010C	Sodium	132000		ug/L	100	09/01/2022	MO
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Barium	68.2		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Copper	< LOQ		ug/L	50.0	07/21/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Manganese	686		ug/L	10.0	07/21/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/21/2022	MO

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Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 09/29/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3076**EMAIL** 9/29/2022

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

Sample No. **AY11883**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/21/2022	MO
SM22 2320B	Alkalinity to pH 4.5 as mg CaCO ₃ /L - ASP	408		mg/L	5.0	07/22/2022	MO
SM22-5210B	Biochemical Oxygen Demand	< LOQ		mg/L	2	07/17/2022 10:16 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-25-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/12/2022 10:30 am	MO
EPA 6010C	ASP Calcium by ICP-AES	78000		ug/L	1.00	09/01/2022	MO
SW846/9253	Chloride - ASP	300		mg/L	50.0	07/18/2022	MO
SW846-9012A	ASP Total Cyanide	< LOQ		mg/L	0.005	07/12/2022	MO
HACH 8000	Chemical Oxygen Demand - ASP	11		mg/L	5.0	07/13/2022	MO

Sample and duplicate's precision is outside the 20% RPD method range. CM 7/14/22

SM20-2120B	Color, Apparent - ASP	30		units	1	07/12/2022 3:10 pm	JLM
EPA 6010C	ASP Hardness as Calcium Carbonate	310		mg/L	1	09/01/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/11/2022 2:43 pm	MO
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/08/2022	MO
SW846-6010C	ASP Magnesium	28700		ug/L	1.00	09/01/2022	MO
SM22-4500NH ₃ -G	Ammonia as N	0.288		mg/L	0.05	07/20/2022	MO
SM22-4500NO ₂ B	Nitrite Nitrogen as N	< LOQ		mg/L	0.01	07/12/2022 11:52 am	MO
EPA 353.2, Rev 2.0	N-Nitrate Calculated	< LOQ		mg/L	0.05	07/20/2022	MO
EPA 9040C	Corrosivity/pH	6.88		Units	0.1	07/11/2022 2:43 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0050	J	mg/L	0.025	07/21/2022	MO
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"J" Flag - Estimated value on an analyte found below the calibration range and at or above the detection limit. RWHJr

SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/14/2022	MO
40CFR136	NH ₄ Preparation	Completed				07/19/2022	MO

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

40CFR136	TKN Digestion/Diffusion Method	Completed				07/21/2022	RH
SW846/9056A	Sulfate, Aqueous - ASP	22.0		mg/L	1.0	07/14/2022	MO
SM22-2540C	Total Dissolved Solids	900.0		mg/L	2.0	07/12/2022	MO
SM22-4500Norg D	Total kjeldahl nitrogen as N - ASP	0.836	B	mg/L	0.06	07/25/2022	MO

"B" Flag - Analyte detected in the laboratory reagent blank (LRB) at a concentration greater than half the LOQ (>0.5 x LOQ). MM

SW846-9060A	Total Organic Carbon - ASP	3.98		mg/L as C	0.25	07/20/2022	MO
EPA 180.1	Turbidity	5.64		NTU	0.02	07/12/2022 3:10 pm	JLM

Organics

VOCs by 8260C Baseline Expanded

SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/13/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/13/2022	DWM

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

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

Approved By **Robert Hilbrandt Jr.** Chief of Env. Lab Services Date Approved : 09/29/2022

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

Report Number: 3076

EMAIL 9/29/2022

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

Sample No. **AY11883**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/13/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/13/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/13/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/13/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/13/2022	DWM
VOC's in water-EPA 8260C							
SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/14/2022	GZ2
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/14/2022	GZ2
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/14/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3076

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

Sample No. **AY11883**

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

This sample had a pH of 6. The method stipulated preservation requirement is a pH <2. Analysis was conducted within the regulatory defined window of 7 days - pH has no impact on result.
jc/GZ 9/24/2022

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 09/29/2022

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

Report Number: 3076

EMAIL 9/29/2022

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

Sample No. **AY11435**

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 : S3342 C146 E3246 F714 H724
K6653 I4788

Collection Point : RR SUMP #1 LEACHATE

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/05/2022 AT 7:30:00AM

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

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

PWS No. :

Type Descriptor :

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	< LOQ		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	17.9		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	351		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	10.4		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	24.3		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	126		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	96.5		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	69.6		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	22.4		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	59.3		mg/L	2	07/12/2022 9:19 am	MO

Dilution water blank exceeds 0.2 mg/L. KA 7-14-22

SM21-5210B	ASP BOD Set Date and Time	Completed				07/07/2022 8:18 am	MO
SW846-9012A	ASP Total Cyanide	0.014		mg/L	0.005	07/12/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/05/2022 3:07 pm	MO

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

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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

Sample No. **AY11435**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
EPA 9040C	Corrosivity/pH	7.04		Units	0.1	07/05/2022 3:37 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.117		mg/L	0.025	07/11/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
USGS I-3765-85	Total Suspended Solids	18.0		mg/L	2.0	07/11/2022	MO

Organics

EPA8081B Pesticides - Water

SW846/8081B	4,4-DDD	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	4,4-DDE	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	4,4-DDT	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	a-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	a-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Aldrin	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	b-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Chlordane	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	d-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Dieldrin	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endosulfan 1	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Endosulfan 2	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endosulfan sulfate	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin aldehyde	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin ketone	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	g-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor epoxide	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Lindane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Methoxychlor	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	GZ2
SW846/8081B	Toxaphene	< LOQ		ug/L	12.5	07/07/2022	GZ2

This sample lacks a passing Endrin/DDT breakdown check; this renders the data for only chlordane and toxaphene suspect. DWM; 9/30/22

EPA8082A - PCBs in Water

SW846/8082A	Aroclor 1016 (PCB-1016)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1221 (PCB-1221)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1232 (PCB-1232)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1242 (PCB-1242)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1248 (PCB-1248)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1254 (PCB-1254)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1260 (PCB-1260)	< LOQ		ug/L	0.50	07/07/2022	RH

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

Approved By *Michele Matos* **QA Officer** **Date Approved :** 09/30/2022

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

Report Number: 3077

EMAIL 9/30/2022

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

Sample No. **AY11435**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846/8082A	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	RH
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:
isobutyl alcohol 38.5ug/L

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

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

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. DWM 9/26

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM

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J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

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

Report Number: 3077

EMAIL 9/30/2022

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

Sample No. **AY11435**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,4-dichlorobenzene	1.49		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	1.10		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	5.97		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	0.506		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	3.05		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM

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QA Officer

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Sample No. **AY11435**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:
tetrahydrofuran 56.5ug/L

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

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

jc 8/24/22

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation (pH <2). This method deviation may render the data unsuitable for regulatory reporting purposes. DWM 9/26/22

8270D - AE/BN in water

SW846-8270D	1,2,4-Trichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,2-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,3-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,4-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4,6-Trichlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dichlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dimethylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,6-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chloronaphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Methyl-4,6-dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	3,3'-Dichlorobenzidine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Bromophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chloro-3-methylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chlorophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Acenaphthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Acenaphthylene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Azobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzidine	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Benzo(a)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(a)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(b)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(g,h,i)perylene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(k)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2

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Approved By **Michele Matos**

QA Officer

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Sample No. **AY11435**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-8270D	Benzyl butyl phthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethoxy)methane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethyl)ether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Ethylhexyl)phthalate	17.6		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Chrysene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dibenzo(a,h)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Diethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dimethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-butylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-octylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluorene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobutadiene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorocyclopentadiene	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Hexachloroethane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Indeno(1,2,3-cd)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Isophorone	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Naphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Nitrobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodimethylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodi-n-propylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodiphenylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pentachlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Phenanthrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Phenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Prep. Method	3510c		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2

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Sample No. **AY11435**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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The recovery for Benzidine in the LCS is below acceptable QC criteria. Established low bias on <LOQ results renders the analytical data suspect.

"B" flag: The associated blank had contamination exceeding a concentration greater than 1/20 (5%) of the measured concentration in the sample for Bis (2-Ethylhexyl)phthalate.

The spike recoveries of Benzidine and Bis(2-ethylhexyl)phthalate were below the QC criteria due to possible matrix interference.

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

1,3,5-Trioxane - 22.2
 Diethyltoluamide - 23.5
 N-ethyl-2-methyl-benzenesulfonamide - 19.7
 2(3H)-Benzothiazolone - 22.8
 n-Hexadecanoic acid - 18.5
 (Z)-9-Octadecenamide - 18.5

MR/GZ 8/11/22

EPA 1664B	Oil & Grease Total Recoverable (HEM)	5.87		mg/L	5	07/11/2022	NM
EPA 1664B	non-Polar Extractable Material (TPH)	2.57		mg/L	2.5	07/11/2022	NM

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

Sample No. **AY11436**

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 : S3335 C115 E3274 F305 H404
I4800+ K8269+

Collection Point : RR SUMP #1 LEACHATE DUP

Collected By : DUVAL & STEY

ID of Source :

Collection Date : 07/05/2022 AT 7:30:00AM

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

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

PWS No. :

Type Descriptor : 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
Inorganics							
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	< LOQ		ug/L	50.0	07/14/2022	MM
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MM
EPA 6020A	Arsenic	17.5		ug/L	10.0	07/14/2022	MM
EPA 6020A	Barium	339		ug/L	10.0	07/21/2022	MM
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MM
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MM
EPA 6020A	Chromium	10.2		ug/L	10.0	07/14/2022	MM
EPA 6020A	Cobalt	23.5		ug/L	10.0	07/14/2022	MM
EPA 6020A	Copper	124		ug/L	50.0	07/14/2022	MM
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MM
EPA 6020A	Manganese	95.2		ug/L	10.0	07/14/2022	MM
EPA 6020A	Nickel	68.5		ug/L	10.0	07/14/2022	MM
EPA 6020A	Selenium	21.2		ug/L	20.0	07/14/2022	MM
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MM
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MM
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MM
EPA 6020A	Zinc	< LOQ		ug/L	80.0	07/14/2022	MM
SM22-5210B	Biochemical Oxygen Demand	68.5		mg/L	2	07/12/2022 9:19 am	MO
<i>Dilution water blank exceeds 0.2 mg/L. KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed				07/07/2022 8:18 am	MO
SW846-9012A	ASP Total Cyanide	0.016		mg/L	0.005	07/12/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/05/2022 3:07 pm	MO

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Sample No. AY11436

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	07/27/2022	MO
EPA 9040C	Corrosivity/pH	7.12		Units	0.1	07/05/2022 3:37 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.0278		mg/L	0.025	07/11/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
USGS I-3765-85	Total Suspended Solids	10.5		mg/L	2.0	07/11/2022	MO

Organics

EPA8081B Pesticides - Water

SW846/8081B	4,4-DDD	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	4,4-DDE	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	4,4-DDT	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	a-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	a-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Aldrin	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	b-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Chlordane	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	d-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Dieldrin	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endosulfan 1	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Endosulfan 2	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endosulfan sulfate	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin aldehyde	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin ketone	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	g-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor epoxide	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Lindane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Methoxychlor	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	GZ2
SW846/8081B	Toxaphene	< LOQ		ug/L	12.5	07/07/2022	GZ2

This sample lacks a passing Endrin/DDT breakdown check; this renders the data for only chlordane and toxaphene suspect. DWM; 9/30/22

EPA8082A - PCBs in Water

SW846/8082A	Aroclor 1016 (PCB-1016)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1221 (PCB-1221)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1232 (PCB-1232)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1242 (PCB-1242)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1248 (PCB-1248)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1254 (PCB-1254)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1260 (PCB-1260)	< LOQ		ug/L	0.50	07/07/2022	RH

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

Approved By **Michele Matos** QA Officer Date Approved : 09/30/2022

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

Report Number: 3077

EMAIL 9/30/2022

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

Sample No. **AY11436**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846/8082A	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	RH
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	< LOQ		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

The following tentatively identified compounds (TICs) are present; the concentrations given are estimates:
isobutyl alcohol 36.1

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

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

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. DWM 9/26

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

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Sample No. **AY11436**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	1,4-dichlorobenzene	1.52		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	1.11		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	5.96		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	0.535		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	3.20		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	< LOQ		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM

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DL = Detection Limit

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories
NYS ELAP # 10108
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These analytical results relate only to the sample identified in this report.

Sample No. AY11436

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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

tetrahydrofuran 54.8ug/L

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

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

jc 8/24/22

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation (pH <2). This method deviation may render the data unsuitable for regulatory reporting purposes. DWM 9/26/22

8270D - AE/BN in water

SW846-8270D	1,2,4-Trichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,2-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,3-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,4-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4,6-Trichlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dichlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dimethylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,6-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chloronaphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Methyl-4,6-dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	3,3'-Dichlorobenzidine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Bromophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chloro-3-methylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chlorophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Acenaphthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Acenaphthylene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Azobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzidine	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Benzo(a)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(a)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(b)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(g,h,i)perylene	< LOQ		ug/L	5.0	07/12/2022	GZ2

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J=value is an estimate

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

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EMAIL 9/30/2022

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Sample No. **AY11436**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-8270D	Benzo(k)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzyl butyl phthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethoxy)methane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethyl)ether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Ethylhexyl)phthalate	7.11		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Chrysene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dibenzo(a,h)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Diethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dimethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-butylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-octylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluorene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobutadiene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorocyclopentadiene	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Hexachloroethane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Indeno(1,2,3-cd)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Isophorone	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Naphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Nitrobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodimethylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodi-n-propylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodiphenylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pentachlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Phenanthrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Phenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Prep. Method	3510c		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2

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H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories
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Report Number: 3077

EMAIL 9/30/2022

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

Sample No. **AY11436**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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The recovery for Benzdine in the LCS is below acceptable QC criteria. Established low bias on <LOQ results renders the analytical data suspect.

"B" flag: The associated blank had contamination exceeding a concentration greater than 1/20 (5%) of the measured concentration in the sample for Bis (2-Ethylhexyl)phthalate.

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

4-(1,1-Dimethylpropyl)-phenol - 16.2
 Diethyltoluamide - 23.3
 N-ethyl-2-methyl-benzenesulfonamide - 16.0
 2(3H)-Benzothiazolone - 19.8
 n-Hexadecanoic acid - 16.2
 (Z)-9-Octadecenamide - 19.1
 (Z)-13-Docosenamide - 24.7

MR /GZ 8/11/22

EPA 1664B	Oil & Grease Total Recoverable (HEM)	21.7		mg/L	5	07/11/2022	NM
EPA 1664B	non-Polar Extractable Material (TPH)	17.5		mg/L	2.5	07/11/2022	NM

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Approved By **Michele Matos** QA Officer Date Approved : 09/30/2022

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

Sample No. **AY11437****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 : S3343 C200 E4018 F683 H268
K1739+ I4718+**Collection Point :** PS # 2**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/05/2022 AT 8:10:00AM**Submitted On :** 07/05/2022 AT 11:00:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :****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
Inorganics							
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	135		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	148		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	380		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	338		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	10.1		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Zinc	123		ug/L	80.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	76.4		mg/L	2	07/12/2022 9:19 am	MO
<i>Dilution water blank exceeds 0.2 mg/L. KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed				07/07/2022 8:18 am	MO
SW846-9012A	ASP Total Cyanide	0.007		mg/L	0.005	07/12/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/05/2022 3:07 pm	MO

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DL = Detection Limit

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J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/30/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3077

EMAIL 9/30/2022

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

Sample No. **AY11437**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
EPA 9040C	Corrosivity/pH	7.59		Units	0.1	07/05/2022 3:37 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.154		mg/L	0.025	07/11/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
USGS I-3765-85	Total Suspended Solids	68.3		mg/L	2.0	07/11/2022	MO

Organics**EPA8081B Pesticides - Water**

SW846/8081B	4,4-DDD	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	4,4-DDE	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	4,4-DDT	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	a-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	a-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Aldrin	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	b-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Chlordane	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	d-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Dieldrin	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	Endosulfan 1	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Endosulfan 2	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	Endosulfan sulfate	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	Endrin	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	Endrin aldehyde	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	Endrin ketone	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	g-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor epoxide	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Lindane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Methoxychlor	< LOQ		ug/L	0.250	07/07/2022	GZ2
SW846/8081B	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	GZ2
SW846/8081B	Toxaphene	< LOQ		ug/L	12.5	07/07/2022	GZ2

This sample lacks a passing Endrin/DDT breakdown check; this renders the data for only chlordane and toxaphene suspect. DWM; 9/30/22

EPA8082A - PCBs in Water

SW846/8082A	Aroclor 1016 (PCB-1016)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1221 (PCB-1221)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1232 (PCB-1232)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1242 (PCB-1242)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1248 (PCB-1248)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1254 (PCB-1254)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1260 (PCB-1260)	< LOQ		ug/L	0.50	07/07/2022	RH

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

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Sample No. **AY11437**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846/8082A	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	RH
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	72.3		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	22.3		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. DWM 9/26

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	1.29		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	6.80		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

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Sample No. **AY11437**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	1.04		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	1.42		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	3.35		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

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Sample No. **AY11437**

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

bicyclo[4.1.0]heptane,3,7,7-trimethyl-,[1s-(1.a 9.84ug/L

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

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

jc 8/24/22

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation (pH <2).

This method deviation may render the data unsuitable for regulatory reporting purposes. DWM 9/26/22

8270D - AE/BN in water

SW846-8270D	1,2,4-Trichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,2-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,3-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,4-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4,6-Trichlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dichlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dimethylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,6-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chloronaphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Methyl-4,6-dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	3,3'-Dichlorobenzidine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Bromophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chloro-3-methylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chlorophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Acenaphthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Acenaphthylene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Azobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzidine	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Benzo(a)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(a)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(b)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(g,h,i)perylene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(k)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2

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QA Officer

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SW846-8270D	Benzyl butyl phthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethoxy)methane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethyl)ether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Ethylhexyl)phthalate	184		ug/L	15	07/12/2022	GZ2
SW846-8270D	Chrysene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dibenzo(a,h)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Diethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dimethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-butylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-octylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluorene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobutadiene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorocyclopentadiene	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Hexachloroethane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Indeno(1,2,3-cd)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Isophorone	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Naphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Nitrobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodimethylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodi-n-propylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodiphenylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pentachlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Phenanthrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Phenol	5.15		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Prep. Method	3510c		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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

Sample No. **AY11437**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
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The recovery for Benzidine in the LCS is below acceptable QC criteria. Established low bias on <LOQ results renders the analytical data suspect.

3&4-Methylphenol is present at 35.0 ug/L

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

Benzeneacetic acid - 52.8
 n-Hexadecanoic acid - 147
 (Z)-6-Octadecenoic acid - 50.1
 Oleic acid - 61.2
 Octadecanoic acid - 217
 2-Butoxy ethanol phosphate (3:1) - 47.6
 (3.beta.,5.beta.)-Cholestan-3-ol - 134
 (3.beta.)-Cholest-5-en-3-ol - 100

MR 8/11/22

EPA 1664B	Oil & Grease Total Recoverable (HEM)	9.99		mg/L	5	07/11/2022	NM
EPA 1664B	non-Polar Extractable Material (TPH)	6.02		mg/L	2.5	07/11/2022	NM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories
 NYS ELAP # 10108
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Report Number: 3077

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

Sample No. **AY11438****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 : S3340 C59 E3417 F393 H541
K6534+ I4787+**Collection Point :** PS # 2 DUP**Collected By :** DUVAL & STEY**ID of Source :****Collection Date :** 07/05/2022 AT 8:10:00AM**Submitted On :** 07/05/2022 AT 11:00:00AM**Agency :** Croton Landfill
Westchester County DEF
270 North Avenue
New Rochelle, New York 10801
Attn: Gregory Stey**PWS No. :****Type Descriptor :****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
Inorganics							
ASP Metals by EPA 6020A							
EPA 6020A	Aluminum	99.0		ug/L	50.0	07/14/2022	MO
EPA 6020A	Antimony	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Arsenic	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Barium	148		ug/L	10.0	07/21/2022	MO
EPA 6020A	Beryllium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cadmium	< LOQ		ug/L	10.0	07/21/2022	MO
EPA 6020A	Chromium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Cobalt	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Copper	332		ug/L	50.0	07/14/2022	MO
EPA 6020A	Lead	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Manganese	344		ug/L	10.0	07/14/2022	MO
EPA 6020A	Nickel	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Selenium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Silver	< LOQ		ug/L	20.0	07/21/2022	MO
EPA 6020A	Thallium	< LOQ		ug/L	10.0	07/14/2022	MO
EPA 6020A	Vanadium	< LOQ		ug/L	20.0	07/14/2022	MO
EPA 6020A	Zinc	101		ug/L	80.0	07/14/2022	MO
SM22-5210B	Biochemical Oxygen Demand	72.8		mg/L	2	07/12/2022 9:19 am	MO
<i>Dilution water blank exceeds 0.2 mg/L. KA 7-14-22</i>							
SM21-5210B	ASP BOD Set Date and Time	Completed				07/07/2022 8:18 am	MO
SW846-9012A	ASP Total Cyanide	0.007		mg/L	0.005	07/12/2022	MO
SW846-7196A	Hexavalent Chromium, ASP	< LOQ		ug/L	40	07/05/2022 3:07 pm	MO

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LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/30/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620**

Report Number: 3077

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

Sample No. AY11438

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-7470A	ASP Mercury	< LOQ		ug/L	0.20	08/02/2022	MO
EPA 9040C	Corrosivity/pH	7.55		Units	0.1	07/05/2022 3:37 pm	JLM

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

EPA 9065	Phenolics, Total Recoverable	0.241		mg/L	0.025	07/15/2022	MO
SW846-3005A	ASP Metals Digestion - Aqueous	Completed				07/12/2022	MO
USGS I-3765-85	Total Suspended Solids	91.3		mg/L	2.0	07/11/2022	MO

Organics

EPA8081B Pesticides - Water

SW846/8081B	4,4-DDD	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	4,4-DDE	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	4,4-DDT	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	a-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	a-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Aldrin	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	b-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Chlordane	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	d-BHC	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Dieldrin	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endosulfan 1	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Endosulfan 2	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endosulfan sulfate	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin aldehyde	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Endrin ketone	< LOQ		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	g-Chlordane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Heptachlor epoxide	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Lindane	< LOQ		ug/L	0.125	07/07/2022	GZ2
SW846/8081B	Methoxychlor	2.94		ug/L	0.25	07/07/2022	GZ2
SW846/8081B	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	GZ2
SW846/8081B	Toxaphene	< LOQ		ug/L	12.5	07/07/2022	GZ2

This sample lacks a passing Endrin/DDT breakdown check; this renders the data for only chlordane and toxaphene suspect. DWM; 9/30/22

EPA8082A - PCBs in Water

SW846/8082A	Aroclor 1016 (PCB-1016)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1221 (PCB-1221)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1232 (PCB-1232)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1242 (PCB-1242)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1248 (PCB-1248)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1254 (PCB-1254)	< LOQ		ug/L	0.50	07/07/2022	RH
SW846/8082A	Aroclor 1260 (PCB-1260)	< LOQ		ug/L	0.50	07/07/2022	RH

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

Approved By **Michele Matos** QA Officer Date Approved : 09/30/2022

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

Report Number: 3077

EMAIL 9/30/2022

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

Sample No. AY11438

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846/8082A	Prep. Method	EPA3510C/3640A		ug/L		07/07/2022	RH
VOCs by 8260C Baseline Expanded							
SW846 8260C	1,2-dibromo-3-chloropropane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	1,2-dibromoethane	< LOQ		ug/L	0.500	07/11/2022	DWM
SW846 8260C	2-hexanone	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acetone	80.9		ug/L	10.0	07/11/2022	DWM
SW846 8260C	Acetonitrile	< LOQ		ug/L	50.0	07/11/2022	DWM
SW846 8260C	Acrolein	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Acrylonitrile	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Carbon Disulfide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Methyl Iodide	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Prep. Method	5030c		ug/L		07/11/2022	DWM
SW846 8260C	trans-1,4-dichloro-2-butene	< LOQ		ug/L	5.00	07/11/2022	DWM
SW846 8260C	Vinyl Acetate	< LOQ		ug/L	5.00	07/11/2022	DWM

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 3 days w/o proper acid preservation (pH 4 - 5). This method deviation will render the data unsuitable for regulatory reporting purposes for Acrolein and Acrylonitrile only. All other analytes were analyzed within 7-days, improper pH has no impact. DWM 9/26

VOC's in water-EPA 8260C

SW846 8260C	1,1,1- trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,1,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2,2-tetrachloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1,2-trichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-Dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,1-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,3-trichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2,4-trimethylbenzene	1.30		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3,5-trimethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,3-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	1,4-dichlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2,2-dichloropropane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	2-butanone (MEK)	7.31		ug/L	2.00	07/13/2022	DWM
SW846 8260C	2-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	4-chlorotoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Benzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM

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LOQ = Limit of Quantitation

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

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Sample No. **AY11438**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846 8260C	Bromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromodichloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromoform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Bromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Carbon tetrachloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chlorobenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloroform	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Chloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	cis-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromochloromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dibromomethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Dichlorodifluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Ethylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Hexachlobutadiene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Isopropylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Methyl iso-butyl ketone	< LOQ		ug/L	2.00	07/13/2022	DWM
SW846 8260C	Methylene Chloride	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Naphthalene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	N-propylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	O-xylene	1.05		ug/L	0.50	07/13/2022	DWM
SW846 8260C	P & M-xylene	1.41		ug/L	1.00	07/13/2022	DWM
SW846 8260C	P-isopropyltoluene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	SEC-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Styrene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	TERT-butylbenzene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Tetrachloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Toluene	3.37		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,2-dichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	trans-1,3-dichloropropene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichloroethene	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Trichlorofluoromethane	< LOQ		ug/L	0.50	07/13/2022	DWM
SW846 8260C	Vinyl chloride	< LOQ		ug/L	0.50	07/13/2022	DWM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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

Sample No. **AY11438**

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

bicyclo[4.1.0]heptane,3,7,7-trimethyl-,[1s-(1.a 9.00ug/L

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

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

jc 8/24/22

This sample had a pH of 6. Analysis was conducted outside the regulatory defined window of 7 days w/o proper acid preservation (pH <2).

This method deviation may render the data unsuitable for regulatory reporting purposes. DWM 9/26/22

8270D - AE/BN in water

SW846-8270D	1,2,4-Trichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,2-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,3-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	1,4-Dichlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4,6-Trichlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dichlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dimethylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2,4-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2,6-Dinitrotoluene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chloronaphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Chlorophenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	2-Methyl-4,6-dinitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	2-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	3,3'-Dichlorobenzidine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Bromophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chloro-3-methylphenol	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Chlorophenylphenylether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	4-Nitrophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Acenaphthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Acenaphthylene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Azobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzidine	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Benzo(a)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(a)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(b)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(g,h,i)perylene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Benzo(k)fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2

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DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3077

EMAIL 9/30/2022

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

Sample No. **AY11438**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
SW846-8270D	Benzyl butyl phthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethoxy)methane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Chloroethyl)ether	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	bis(2-Ethylhexyl)phthalate	616		ug/L	50	07/12/2022	GZ2
SW846-8270D	Chrysene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dibenzo(a,h)anthracene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Diethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Dimethylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-butylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Di-n-octylphthalate	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluoranthene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Fluorene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorobutadiene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Hexachlorocyclopentadiene	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Hexachloroethane	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Indeno(1,2,3-cd)pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Isophorone	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Naphthalene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Nitrobenzene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodimethylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodi-n-propylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	n-Nitrosodiphenylamine	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pentachlorophenol	< LOQ		ug/L	10	07/12/2022	GZ2
SW846-8270D	Phenanthrene	< LOQ		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Phenol	5.18		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Prep. Method	3510c		ug/L	5.0	07/12/2022	GZ2
SW846-8270D	Pyrene	< LOQ		ug/L	5.0	07/12/2022	GZ2

The recovery for Benzidine in the LCS is below acceptable QC criteria. Established low bias on <LOQ results renders the analytical data suspect.

3&4-Methylphenol is present at 33.5 ug/L

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

1-Butoxy-2-propanol - 24.3
n-Hexadecanoic acid - 158
(E)-9-Octadecenoic acid - 65.9
Octadecanoic acid - 247
(Z)-13-Docosenamide - 24.4
Epicholesterol - 162
(3.beta.)-Cholest-5-en-3-ol - 113

MR/GZ 8/11/22

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories
NYS ELAP # 10108
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These analytical results relate only to the sample identified in this report.

Sample No. **AY11438**

Method	Test Description	Results	Qualifier	Units	DL/LOQ	Analyzed on	Validator
EPA 1664B	Oil & Grease Total Recoverable (HEM)	< LOQ		mg/L	5	07/11/2022	NM

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Approved By **Michele Matos**

QA Officer

Date Approved : 09/30/2022

Environmental Laboratories
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EMAIL 9/30/2022

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

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Duval & Stey</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>6/29/22 710</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RR-1</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>Bailer</u>	
	START TIME: <u>715</u>	

EVACUATION DATA		EVACUATION CHEMS					
WELL DIAMETER	<u>2"</u>	TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>27.05</u>		PP				
TOC <u>20.70</u> TOW	<u>20.40</u>	<u>715</u>	<u>1</u>	<u>7.90</u>	<u>0.763</u>	<u>32.6</u>	<u>16.87</u>
LENGTH OF COLUMN	<u>6.65 X .16</u>	<u>720</u>	<u>2</u>	<u>7.11</u>	<u>1.04</u>	<u>34.0</u>	<u>16.81</u>
VOLUME	<u>1.06 X 3</u>	<u>725</u>	<u>3</u>	<u>7.06</u>	<u>1.05</u>	<u>33.7</u>	<u>16.52</u>
EVAC. GALLONS	<u>3.1</u>						
EVAC. METHOD	<u>Bailer</u>	REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>3</u>	INSTR	BG	VH	HS	BZ	
STICK UP			<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	
		FID	<u>5.0</u>	<u>6.3</u>	<u>6.7</u>	<u>5.0</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES					
PP	B:	PP	C:	B: <u>495, 666</u>	
C: <u>0120</u>	CR:	D: <u>1740</u>	E: <u>3391</u>		
F: <u>8</u>		G: <u>4874</u>	S: <u>3358</u>		
EXP K: <u>8755, 9167, 9085</u>		K: <u>8158, 8501, 8376</u>	K:		

NOTES: 1, 4 = 34, 31

SIGNATURE: Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Duval & Stey</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>6/28/22 710</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RR-25</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>Bailer</u>	
	START TIME: <u>745</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>2"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>29.20</u>			PP				
TOC <u>11.00</u> TOW	<u>10.75</u>		<u>745</u>	<u>3</u>	<u>7.24</u>	<u>1.04</u>	<u>22.2</u>	<u>17.67</u>
LENGTH OF COLUMN	<u>18.45 x .16</u>		<u>800</u>	<u>6</u>	<u>6.90</u>	<u>107</u>	<u>291</u>	<u>16.29</u>
VOLUME	<u>2.9 x 3</u>		<u>815</u>	<u>9</u>	<u>7.06</u>	<u>1.06</u>	<u>47.6</u>	<u>17.42</u>
EVAC. GALLONS	<u>8.8</u>							
EVAC. METHOD	<u>Bailer</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>9</u>		INSTR	BG	VH	HS	BZ	
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
			FID	<u>10.5</u>	<u>11.6</u>	<u>11.6</u>	<u>11.6</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES

PP	B:	PP:	C:	B: <u>1080, 766</u>
	C: <u>0114</u>		D: <u>1205</u>	E: <u>4038</u>
	F: <u>384</u>		G: <u>5083</u>	S: <u>3364</u>
EXP	K: <u>2187, 0288, 7758</u>		K: <u>7124, 8517, 9088</u>	K:

NOTES: 1, 4 = 28, 32

Richard A Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Stey & Duval</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>6/28/22 7:10</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RR-20</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>Pump</u>	
	START TIME: <u>7:15</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>2"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>57.75</u>			PP				
TOC <u>9.80</u> TOW	<u>9.60</u>		<u>7:15</u>	<u>8</u>	<u>7.46</u>	<u>0.879</u>	<u>9.1</u>	<u>18.62</u>
LENGTH OF COLUMN	<u>48.15 x .16</u>		<u>7:25</u>	<u>16</u>	<u>7.33</u>	<u>0.936</u>	<u>9.1</u>	<u>17.02</u>
VOLUME	<u>7.7 x 3</u>		<u>7:35</u>	<u>24</u>	<u>7.35</u>	<u>0.948</u>	<u>9.2</u>	<u>16.50</u>
EVAC. GALLONS	<u>23.11</u>							
EVAC. METHOD	<u>Pump</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>24</u>		INSTR	BG	VH	HS	BZ	
STICK UP				<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	
			FID	<u>13.0</u>	<u>13.7</u>	<u>12.7</u>	<u>10.6</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES

PP	B:	PP:	C:	B: <u>786; 738</u>
C: <u>0205</u>	CR:	D: <u>1527</u>	E: <u>3472</u>	
F: <u>235</u>	G: <u>4980</u>	S: <u>3354</u>		
^{EXP} K: <u>8884; 8757; 9084</u>	K: <u>9107; 9074; 8615</u>	K:		

NOTES: 1, 4 = 33, 35

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Duval & Stey</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>6/28/22 9:50</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RR-3</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>Bailer</u>	
	START TIME: <u>10:00</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>2"</u>	TIME	GALS	PH	COND	TURB	TEMP	
WELL DEPTH	<u>26.88</u>		PP					
TOC <u>11.90</u> TOW	<u>11.40</u>	<u>1005</u>	<u>3</u>	<u>7.58</u>	<u>0.934</u>	<u>28.1</u>	<u>18.27</u>	
LENGTH OF COLUMN	<u>15.48 x .16</u>	<u>1015</u>	<u>6</u>	<u>7.41</u>	<u>1.07</u>	<u>22.8</u>	<u>17.53</u>	
VOLUME	<u>2.47 x 3</u>	<u>1025</u>	<u>8</u>	<u>7.44</u>	<u>1.06</u>	<u>35.1</u>	<u>17.19</u>	
EVAC. GALLONS	<u>7.43</u>							
EVAC. METHOD	<u>Bailer</u>	REAL TIME AIR MONITORING						
GALLONS REMOVED	<u>8</u>	INSTR	BG	VH	HS	BZ		
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>		
		FID	<u>10.6</u>	<u>N/A</u>	<u>10.4</u>	<u>11.1</u>		

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES					
PP	B:	PP:	C:	B:	<u>373, 1088</u>
C:	<u>0128</u>	CR:	D:	<u>1366</u>	E:
F:	<u>170</u>	G:	<u>5014</u>	S:	<u>3362</u>
K:	<u>6222, 7413 Exp</u>	K:	<u>810, 1829</u>	K:	<u>0717, 2884</u>

NOTES: Exp 1, 4 30, 29

SIGNATURE: Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Step & Duval</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>6/28/22 900</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RR-4</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>Bailer</u>	
	START TIME: <u>905</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>2"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>15.85</u>			PP				
TOC 8.00 TOW	<u>7.80</u>		<u>905</u>	<u>1</u>	<u>7.24</u>	<u>0.563</u>	<u>61.5</u>	<u>20.74</u>
LENGTH OF COLUMN	<u>8.05 X .16</u>		<u>915</u>	<u>2.5</u>	<u>7.26</u>	<u>0.928</u>	<u>24.7</u>	<u>19.87</u>
VOLUME	<u>1.2 X 3</u>		<u>925</u>	<u>4</u>	<u>7.10</u>	<u>0.971</u>	<u>43.6</u>	<u>19.69</u>
EVAC. GALLONS	<u>3.8</u>							
EVAC. METHOD	<u>Bailer</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>4</u>		INSTR	BG	VH	HS	BZ	
STICK UP								
			FID	<u>11.1</u>	<u>N/A</u>	<u>10.5</u>	<u>10.5</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES					
PP	B:	PP:	C:	B: <u>999, 1246</u>	
C: <u>0111</u>	CR:	D: <u>1267</u>	E: <u>3267</u>		
F: <u>299</u>	G: <u>5114</u>	S: <u>3348</u>			
^{EXP} K: <u>8151, 9101, 7449</u>	K: <u>8383, 5227, 7457</u>	K:			

NOTES: 1, 4 = 27, 26

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Duval & Stey	EQUIPMENT/METERS	ID #'s
DATE/TIME	6/28/22 1035	TVA - 2020	A3A4B2
WELL	RR-5	U - 10	707062
WEATHER	Sunny	SAMPLING DATA	
TYPE	BASELINE	METHOD: Bailer	
		START TIME: 1035	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	2"		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	19.35			PP				
TOC	11.70	TOW	1040	1	7.42	0.908	34.0	17.99
LENGTH OF COLUMN	7.85 x .16		1050	2.5	7.19	0.882	22.4	17.44
VOLUME	1.2 x 3		1100	4	7.09	0.851	19.0	16.98
EVAC. GALLONS	3.7							
EVAC. METHOD	Bailer		REAL TIME AIR MONITORING					
GALLONS REMOVED	4		INSTR	BG	VH	HS	BZ	
STICK UP								
			FID	9.1	8.9	8.9	8.9	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
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SAMPLING BOTTLES

PP	B:	PP:	C:	B:	410, 1219
C:	0133	CR:	D:	1590	E:
E:	113		G:	5069	S:
K:	8719, 8116 EXP		K:	8690, 9094	K:
					5773, 7589

NOTES: 1, 4 25, 20 EXP

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Stey & Duval</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>6/29/22 845</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RR-6</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>BAILER</u>	
	START TIME: <u>845</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>2"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>77.65</u>			PP				
TOC <u>69.70</u> TOW	<u>69.40</u>		<u>845</u>	<u>1</u>	<u>7.22</u>	<u>0.726</u>	<u>267</u>	<u>18.39</u>
LENGTH OF COLUMN	<u>8.25 X .16</u>		<u>900</u>	<u>2</u>	<u>7.59</u>	<u>0.712</u>	<u>65.1</u>	<u>18.41</u>
VOLUME	<u>1.82 X 3</u>		<u>915</u>	<u>4</u>	<u>7.25</u>	<u>0.737</u>	<u>22.2</u>	<u>18.51</u>
EVAC. GALLONS	<u>3.96</u>							
EVAC. METHOD	<u>BAILER</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>4</u>		INSTR	BG	VH	HS	BZ	
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
			FID	<u>3.0</u>	<u>—</u>	<u>3.0</u>	<u>3.1</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES

PP	B:	PP:	C:	B: <u>1291; 934</u>
C: <u>0108</u>	CR:	D: <u>1032</u>	E: <u>4048</u>	
F: <u>696</u>	G: <u>5156</u>	S: <u>3361</u>		
<u>EXP</u> K: <u>8829; 8673; 4395</u>	K: <u>9083; 0193; 8040</u>	K:		

NOTES: 1, 4 = 15, 16

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Duval & Stey</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>6/29/22 745</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RR-7</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE BASELINE	METHOD: <u>Bailer</u>	
	START TIME: <u>755</u>	

EVACUATION DATA		EVACUATION CHEMS					
WELL DIAMETER	<u>2"</u>	TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>75.80</u>		PP				
TOC <u>69.00</u> TOW	<u>68.70</u>	<u>800</u>	<u>1</u>	<u>6.72</u>	<u>1.22</u>	<u>9.3</u>	<u>17.78</u>
LENGTH OF COLUMN	<u>7.1 X .16</u>	<u>810</u>	<u>2</u>	<u>6.84</u>	<u>1.29</u>	<u>14.7</u>	<u>17.32</u>
VOLUME	<u>1.1 X 3</u>	<u>820</u>	<u>4</u>	<u>6.77</u>	<u>1.27</u>	<u>10.2</u>	<u>17.19</u>
EVAC. GALLONS	<u>3.4</u>						
EVAC. METHOD	<u>Bailer</u>	REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>4</u>	INSTR	BG	VH	HS	BZ	
STICK UP		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	
		FID	<u>3.9</u>	<u>3.8</u>	<u>3.8</u>	<u>3.8</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES

PP	B:	PP:	C:	B: <u>1257, 1098</u>
C: <u>1000</u>	CR:	D: <u>1675</u>	E: <u>4051</u>	
F: <u>300</u>	G: <u>4655</u>	S: <u>3328</u>		
<u>EXP</u> K: <u>8715, 8489, 4334</u>	K: <u>8644, 1325, 7959</u>	K:		

NOTES: 1, 4 = 24, 14

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SIGNATURE:

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Duval & Stey	EQUIPMENT/METERS	ID #'s
DATE/TIME	6/30/22 700	TVA - 2020	A3A4B2
WELL	RFW-1/S	U - 10	707062
WEATHER	Sunny	SAMPLING DATA	
TYPE	BASELINE	METHOD: Bailer	
		START TIME: 735	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	2"	TIME	GALS	PH	COND	TURB	TEMP	
WELL DEPTH	17.85		PP					
TOC 6.80 TOW	6.60	740	2	7.20	1.25	139	17.76	
LENGTH OF COLUMN	11.25 X .16	745	4	7.33	1.10	17.8	17.46	
VOLUME	1.8 X 3	750	6	7.18	1.10	57	17.97	
EVAC. GALLONS	5.4							
EVAC. METHOD	Bailer	REAL TIME AIR MONITORING						
GALLONS REMOVED	6	INSTR	BG	VH	HS	BZ		
STICK UP		—	—	—	—	—		
		FID	7.7	802	300	7.4		

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES

PP	B:	PP:	C:	B: 1041; 444
C: 0157	CR:	D: 0473	E: 3484	
F: 679	G: 4965	S: 3341		
EXP K: 8417; 5595; 8092	K: 8647; 2433; 9093	K:		

NOTES:

1,4 = 18, 22

High turb even after 24hrs

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SIGNATURE:

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <i>Steg & Duval</i>	EQUIPMENT/METERS	ID #'s
DATE/TIME <i>6/30/22 700</i>	TVA - <i>2020</i>	<i>A3A4B2</i>
WELL <i>RFW-1D</i>	U - 10	707062
WEATHER <i>Sunny</i>	SAMPLING DATA	
TYPE BASELINE	METHOD: <i>Pump</i>	
	START TIME: <i>730</i>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<i>4"</i>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<i>50.90</i>			PP				
TOC <i>2.50</i> TOW	<i>2.00</i>		<i>730</i>	<i>32</i>	<i>7.35</i>	<i>11.1</i>	<i>292</i>	<i>18.04</i>
LENGTH OF COLUMN	<i>48.9 X .65</i>		<i>830</i>	<i>64</i>	<i>7.43</i>	<i>11.5</i>	<i>17.8</i>	<i>17.46</i>
VOLUME	<i>31.7 X 3</i>			<i>96</i>	<i>Well not recovering</i>			
EVAC. GALLONS	<i>95.3</i>				<i>Sample taken when recovered</i>			
EVAC. METHOD	<i>Pump</i>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<i>96</i>		INSTR	BG	VH	HS	BZ	
STICK UP			<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>
			FID	<i>7.6</i>	<i>1.93</i>	<i>1.83</i>	<i>9.9</i>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
 LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
 THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES					
PP	B:	PP	C:	B:	<i>592, 781</i>
C:	<i>0153</i>	CR:	D:	<i>0842</i>	E:
F:	<i>376</i>	G:	<i>5115</i>	S:	<i>3365</i>
K:	<i>8130, 9019</i>	K:	<i>3271, 9125</i>	K:	<i>8625, 6494</i>
					<i>EXP EXP</i>

NOTES: *1, 4 36, 13*
Well not recovering

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	<u>Step & Duval</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME	<u>6/30/22 930</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL	<u>RFW-2S</u>	U - <u>10</u>	<u>707062</u>
WEATHER	<u>Sunny</u>	SAMPLING DATA	
TYPE	<u>BASELINE</u>	METHOD: <u>BAiler</u>	
		START TIME: <u>945</u>	

EVACUATION DATA		EVACUATION CHEMS					
WELL DIAMETER	<u>2"</u>	TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>20.62</u>		PP				
TOC <u>6.80</u> TOW	<u>6.30</u>	<u>950</u>	<u>2</u>	<u>7.31</u>	<u>2.07</u>	<u>57.0</u>	<u>20.11</u>
LENGTH OF COLUMN	<u>14.32 X .16</u>	<u>955</u>	<u>5</u>	<u>7.19</u>	<u>1.59</u>	<u>47.2</u>	<u>19.21</u>
VOLUME	<u>2.2 X 3</u>	<u>1005</u>	<u>7</u>	<u>7.26</u>	<u>1.41</u>	<u>20.6</u>	<u>18.42</u>
EVAC. GALLONS	<u>6.8</u>						
EVAC. METHOD	<u>BAiler</u>	REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>7</u>	INSTR	BG	VH	HS	BZ	
STICK UP		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	
		FID	<u>2.9</u>	<u>49.1</u>	<u>42.1</u>	<u>2.8</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES					
PP	B:	PP:	C:	B:	<u>977,113</u>
C:	<u>0143</u>	CR:	D:	<u>5017</u>	E:
F:	<u>41</u>	G:	<u>5011</u>	S:	<u>3329</u>
EXP	<u>8685,1846,8015</u>	K:	<u>8363,6677,6324</u>	K:	

NOTES: 40, 45

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SIGNATURE: Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Duval & Stey</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>6/30/22 930</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RFW-2D</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>Pump</u>	
	START TIME: <u>945</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>4"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>85.40</u>			PP				
TOC <u>7.20</u> TOW	<u>6.90</u>		<u>10:15</u>	<u>51</u>	<u>7.22</u>	<u>1.96</u>	<u>11.0</u>	<u>17.81</u>
LENGTH OF COLUMN	<u>78.5 X .65</u>		<u>10:45</u>	<u>102</u>	<u>7.93</u>	<u>1.71</u>	<u>8.4</u>	<u>21.65</u>
VOLUME	<u>51.0 X 3</u>		<u>11:00</u>	<u>153</u>	<u>7.39</u>	<u>1.68</u>	<u>8.7</u>	<u>22.33</u>
EVAC. GALLONS	<u>153</u>							
EVAC. METHOD	<u>Pump</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>153</u>		INSTR	BG	VH	HS	BZ	
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
			FID	<u>2.8</u>	<u>9.0</u>	<u>9.0</u>	<u>2.8</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES					
PP	B: <u>914, 813</u>	PP:	C:	B: <u>419, 813</u>	
C: <u>0121</u>	CR:	D: <u>7298</u>	E: <u>3295</u>		
F: <u>286</u>	G: <u>4907</u>	S: <u>3331</u>			
*EXP K <u>8708; 9154; 8707</u>	K: <u>1348, 7505, 0746</u>	K:			

NOTES: 39, 42

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Stey & Duval	EQUIPMENT/METERS	ID #'s
DATE/TIME	7:15 7/6/22	TVA - 2020	A3A4B2
WELL	RFW-3D	U - 10	707062
WEATHER	Partly Cloudy	SAMPLING DATA	
TYPE	BASLINE	METHOD: Pump	
		START TIME: 7:15	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	2"		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	95.50			PP				
TOC	5.40	TOW	7:35	14	7.66	1.14	10.9	20.50
LENGTH OF COLUMN	90.4 x .16		7:45	28	7.61	1.01	9.1	20.14
VOLUME	14.4 x 3		7:55	44	7.69	1.00	8.7	20.59
EVAC. GALLONS	43.3							
EVAC. METHOD	Pump		REAL TIME AIR MONITORING					
GALLONS REMOVED	44		INSTR	BG	VH	HS	BZ	
STICK UP			—	—	—	—	—	
			FID	6.1	406	262	6.2	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES

PP	B:	PP	C:	B: 790, 982
C: 0124	CR:	D: 1211		E: 4066
F: 129		G: 4973		S: 3330
*EXPK 8933, 8968, 8289		K: 8965, 8742, 8740		K:

NOTES:

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OF

SIGNATURE:

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Duval & Stey</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>7/6/22 810</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RFW-4</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>Bailer</u>	
	START TIME: <u>815</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>4"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>32.50</u>			PP				
TOC <u>7.70</u> TOW	<u>7.25</u>		<u>830</u>	<u>16</u>	<u>7.25</u>	<u>4.80</u>	<u>11.7</u>	<u>20.74</u>
LENGTH OF COLUMN	<u>25.25 x .65</u>		<u>8:45</u>	<u>32</u>	<u>7.27</u>	<u>4.90</u>	<u>9.2</u>	<u>19.75</u>
VOLUME	<u>16.4 x 3</u>		<u>855</u>	<u>49</u>	<u>6.91</u>	<u>5.26</u>	<u>9.3</u>	<u>19.70</u>
EVAC. GALLONS	<u>49.2</u>							
EVAC. METHOD	<u>Bailer</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>49</u>		INSTR	BG	VH	HS	BZ	
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
			FID	<u>3.2</u>	<u>56.3</u>	<u>20.7</u>	<u>3.2</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES

PP	B:	PP:	C:	B: <u>462; 1016</u>
C: <u>0136</u>	CR:	D: <u>1378</u>		E: <u>3487</u>
F: <u>699</u>		G: <u>4495</u>		S: <u>3326</u>
K: <u>EXP K4122; 8491; 8627</u>		K: <u>K2108; 2162; 2651</u>		K:

NOTES: 46.41

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Step & Duval</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>7/6/22 910</u>	TVA - <u>2020</u>	<u>A3A482</u>
WELL <u>RFW-SD</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>pump</u>	
	START TIME: <u>920</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>4"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>74.90</u>			PP				
TOC <u>6.70</u> TOW	<u>6.30</u>		<u>940</u>	<u>44</u>	<u>7.49</u>	<u>3.13</u>	<u>22.3</u>	<u>21.70</u>
LENGTH OF COLUMN	<u>68.6 x .65</u>		<u>1030</u>	<u>88</u>	<u>7.36</u>	<u>3.25</u>	<u>14.5</u>	<u>21.18</u>
VOLUME	<u>44.59 x 3</u>		<u>1130</u>	<u>133</u>	<u>7.45</u>	<u>3.26</u>	<u>11.0</u>	<u>20.80</u>
EVAC. GALLONS	<u>133</u>							
EVAC. METHOD	<u>Pump</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>133</u>		INSTR	BG	VH	HS	BZ	
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
			FID	<u>2.3</u>	<u>1.8</u>	<u>2.0</u>	<u>2.3</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES

PP	B:	PP:	C:	B: <u>246,654</u>
C: <u>0036</u>	CR:	D: <u>7436</u>	E: <u>3435</u>	
F: <u>405</u>	G: <u>5112</u>	S: <u>3339</u>		
* ^{exp} <u>R8346, 8441, 8313</u>		K: <u>1962, 3812, 1513</u>	K:	

NOTES:

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SIGNATURE:

Richard A Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	<u>Step & Duval</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME	<u>7/7/22 720</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL	<u>RFW-6</u>	U - 10	707062
WEATHER	<u>Partly Cloudy</u>	SAMPLING DATA	
TYPE	<u>BASELINE</u>	METHOD: <u>BAILER</u>	
		START TIME: <u>720</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>4"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>63.50</u>			PP				
TOC <u>58.50</u> TOW	<u>51.60</u>		<u>725</u>	<u>4</u>	<u>7.01</u>	<u>3.12</u>	<u>9.9</u>	<u>21.78</u>
LENGTH OF COLUMN	<u>5.9 x .65</u>		<u>730</u>	<u>8</u>	<u>7.31</u>	<u>3.28</u>	<u>31.4</u>	<u>21.00</u>
VOLUME	<u>3.8 x 3</u>		<u>735</u>	<u>12</u>	<u>7.22</u>	<u>3.29</u>	<u>35.8</u>	<u>21.18</u>
EVAC. GALLONS	<u>11.5</u>							
EVAC. METHOD	<u>BAILER</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>12</u>		INSTR	BG	VH	HS	BZ	
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
			FID	<u>6.4</u>	<u>N/A</u>	<u>5.4</u>	<u>5.5</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES

PP	B:	PP:	C:	B: <u>1040, 902</u>
C: <u>D118</u>	CR:	D: <u>7306</u>	E: <u>3433</u>	
F: <u>55</u>	G: <u>4836</u>	S: <u>3351</u>		
<u>EXP</u> K: <u>6894, 7744, 9050</u>	K: <u>7759, 3066, 8372</u>	K:		

NOTES:

1.4 = 44, 65

PAGE

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OF

1

SIGNATURE:

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	<u>Step & Duval</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME	<u>7/7/22 820</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL	<u>RFW-7S</u>	U - 10	707062
WEATHER	<u>Sunny</u>	SAMPLING DATA	
TYPE	<u>BASELINE</u>	METHOD: <u>BAILER</u>	
		START TIME: <u>820</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>2"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>17.50</u>			PP				
TOC <u>9.80</u> TOW	<u>9.20</u>		<u>8:25</u>	<u>1</u>	<u>7.77</u>	<u>0.63</u>	<u>147</u>	<u>18.87</u>
LENGTH OF COLUMN	<u>8.3 x .16</u>		<u>8:30</u>	<u>2.5</u>	<u>7.77</u>	<u>0.50</u>	<u>129</u>	<u>18.94</u>
VOLUME	<u>1.3 x 3</u>		<u>9:30</u>	<u>4</u>	<u>7.40</u>	<u>0.47</u>	<u>49.9</u>	<u>18.26</u>
EVAC. GALLONS	<u>3.9</u>							
EVAC. METHOD	<u>Bailer</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>4</u>		INSTR	BG	VH	HS	BZ	
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
			FID	<u>3.2</u>	<u>3.2</u>	<u>3.2</u>	<u>3.1</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES

PP	B:	PP:	C:	B: <u>1289, 425</u>
	C: <u>1002</u>		D: <u>6998</u>	E: <u>3135</u>
	F: <u>425</u>		G: <u>5168</u>	S: <u>3327</u>
	K: <u>6754, 2014, 6675</u>		K: <u>7466, 8447, 2631</u>	K:

NOTES:

1, 4 = 64, 67

PAGE

1

OF

1

SIGNATURE:

Richard A Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Duval & Stey</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>7/7/82 830</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RFW-70</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>Pump</u>	
	START TIME: <u>8:30 Am</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>4"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>46.70</u>			PP				
TOC <u>8.70</u> TOW	<u>8.30</u>		<u>8:45</u>	<u>25</u>	<u>8.31</u>	<u>0.24</u>	<u>11.4</u>	<u>17.49</u>
LENGTH OF COLUMN	<u>38.4 x .65</u>		<u>9:00</u>	<u>50</u>	<u>8.29</u>	<u>0.25</u>	<u>9.8</u>	<u>17.01</u>
VOLUME	<u>24.9 x 3</u>		<u>9:20</u>	<u>75</u>	<u>8.33</u>	<u>0.25</u>	<u>9.3</u>	<u>17.32</u>
EVAC. GALLONS	<u>74.8</u>							
EVAC. METHOD	<u>Pump</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>75</u>		INSTR	BG	VH	HS	BZ	
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
			FID	<u>3.2</u>	<u>N/A</u>	<u>3.1</u>	<u>3.2</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES					
PP	B:	PP:	C:	B: <u>968,414</u>	
	C: <u>0137</u>		CR:	D: <u>1463</u>	E: <u>3427</u>
	F: <u>245</u>		G: <u>4755</u>	S: <u>3355</u>	
<u>EXP</u>	K: <u>6783, 6387, 6657</u>		K: <u>9003, 8572, 8626</u>	K:	

NOTES: 1, 4 = 69, 66

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Duval & Stey</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>7/7/22 10:00 AM</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RFW-8</u>	U - <u>10</u>	<u>707062</u>
WEATHER <u>SUNNY</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>BA-Ler</u>	
	START TIME: <u>10:00 AM</u>	

EVACUATION DATA		EVACUATION CHEMS					
WELL DIAMETER	<u>4"</u>	TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>53.95</u>		PP				
TOC <u>49.30</u> TOW	<u>48.80</u>	<u>10:05</u>	<u>3.5</u>	<u>7.35</u>	<u>1.42</u>	<u>85.6</u>	<u>18.50</u>
LENGTH OF COLUMN	<u>5.15 x .65</u>	<u>10:30</u>	<u>7</u>	<u>7.35</u>	<u>1.40</u>	<u>165</u>	<u>18.58</u>
VOLUME	<u>3.34 x 3</u>	<u>10:00</u>	<u>10.0</u>	<u>7.38</u>	<u>1.37</u>	<u>38.0</u>	<u>18.88</u>
EVAC. GALLONS	<u>10.0</u>						
EVAC. METHOD	<u>BA-Ler</u>	REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>10</u>	INSTR	BG	VH	HS	BZ	
STICK UP		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	
		FID	<u>2.2</u>	<u>2.2</u>	<u>2.2</u>	<u>2.2</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES

PP	B:	PP:	C:	B: <u>988, 1233</u>
C: <u>1527</u>	CR:	D: <u>1490</u>	E: <u>3462</u>	
F: <u>123</u>	G: <u>5101</u>	S: <u>3352</u>		
Exp K: <u>8502, 8330, 1601</u>	K: <u>8155, 229, 9072</u>	K:		

NOTES: 1,4 = 68, 62

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Step & Duval</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>7/11/22 715</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RFW-105</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>Bailer</u>	
	START TIME: <u>725</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	2"	TIME	GALS	PH	COND	TURB	TEMP	
WELL DEPTH	17.95		PP					
TOC 10.50 TOW	912.90	725	1.2	7.18	1.86	133	20.25	
LENGTH OF COLUMN	8.05 x .16	730	2.4	7.18	1.92	34.9	17.35	
VOLUME	1.2 x 3	735	3.8	7.18	2.02	50.9	16.88	
EVAC. GALLONS	3.8					48.2		
EVAC. METHOD	Bailer	REAL TIME AIR MONITORING						
GALLONS REMOVED	4	INSTR	BG	VH	HS	BZ		
STICK UP		—	—	—	—	—		
		FID	5.8	4.6	5.3	5.8		

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES					
PP	B:	PP:	C:	B: 324, 1278	
C: 0079	CR:	D: 0975	E: 3350		
F: 104	G: 5046	S: 3347			
K: 6648, 6595, 6368	K: 4587, 7121, 7660	K:			

NOTES: 1, 4 = 50, 63

PAGE 1 OF 1 SIGNATURE: Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Duval & Stey</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>7/11/22 7:15</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RFW-100</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>pump</u>	
	START TIME: <u>720</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>4"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>44.90</u>			PP				
TOC <u>10.00</u> TOW	<u>9.00</u>		<u>740</u>	<u>23</u>	<u>8.30</u>	<u>0.475</u>	<u>11.5</u>	<u>18.75</u>
LENGTH OF COLUMN	<u>35.9 x .65</u>		<u>750</u>	<u>46</u>	<u>Took sample after 1 volume</u>			
VOLUME	<u>23.3 x 3</u>			<u>70</u>				
EVAC. GALLONS	<u>70</u>							
EVAC. METHOD	<u>pump</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>72.25</u>		INSTR	BG	VH	HS	BZ	
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
			FID	<u>7.3</u>	<u>4.9</u>	<u>5.7</u>	<u>6.0</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES

PP	B:	PP:	C:	B: <u>694; 702</u>
C: <u>0160</u>	CR:	D: <u>1217</u>	E: <u>3490</u>	
F: <u>139</u>	G: <u>5080</u>	S: <u>3350</u>		
EXP K: <u>6508; 2337; 5540</u>	K: <u>6819; 6695; 4074</u>	K:		

NOTES: 1, 4 = 52, 51 Well not recovering
took sample after 1 well volume

PAGE 1 OF 1 SIGNATURE: Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Stey & Duval</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>7/11/20 830</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RFW-115</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>Bailer</u>	
	START TIME: <u>835</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>2"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>11.45</u>			PP				
TOC <u>7.40</u> TOW	<u>3.8</u>		<u>840</u>	<u>1.2</u>	<u>7.41</u>	<u>0.528</u>	<u>287</u>	<u>21.09</u>
LENGTH OF COLUMN	<u>7.65 X .16</u>		<u>855</u>	<u>2.4</u>	<u>7.39</u>	<u>0.800</u>	<u>129</u>	<u>21.11</u>
VOLUME	<u>1.2 X 3</u>		<u>910</u>	<u>3.6</u>	<u>7.47</u>	<u>0.854</u>	<u>36.2</u>	<u>20.85</u>
EVAC. GALLONS	<u>3.6</u>							
EVAC. METHOD	<u>Bailer</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>4</u>		INSTR	BG	VH	HS	BZ	
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	
			FID	<u>3.2</u>	<u>N/A</u>	<u>1013</u>	<u>3.9</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.)

SAMPLING BOTTLES					
PP	B:	PP:	C:	B: <u>665, 1067</u>	
C: <u>1521</u>	CR:	D: <u>7695</u>	E: <u>3134</u>		
F: <u>656</u>	G: <u>4676</u>	S: <u>3346</u>			
^{EXP} K: <u>6329, 6655, 6619</u>	K: <u>9052, 6767, 7244</u>	K:			

NOTES: 1, 4 = 55, 58

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OF 1

SIGNATURE: Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Duval & Stey</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>2/11/22 830</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RFW-110</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>Pump</u>	
	START TIME: <u>830</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>4"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>75.85</u>			PP				
TOC <u>4.00</u> TOW	<u>3.80</u>		<u>840</u>	<u>46</u>	<u>7.08</u>	<u>4.40</u>	<u>10.0</u>	<u>18.21</u>
LENGTH OF COLUMN	<u>72.05 x .65</u>		<u>925</u>	<u>92</u>	<u>7.03</u>	<u>4.39</u>	<u>10.5</u>	<u>20.14</u>
VOLUME	<u>46.8 x 3</u>		<u>945</u>	<u>140</u>	<u>7.33</u>	<u>4.54</u>	<u>7.9</u>	<u>19.71</u>
EVAC. GALLONS	<u>140</u>							
EVAC. METHOD	<u>Pump</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>140</u>		INSTR	BG	VH	HS	BZ	
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
			FID	<u>3.2</u>	<u>N/A</u>	<u>3.7</u>	<u>3.2</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES					
PP	B:	PP:	C:	B: <u>647,585</u>	
C: <u>0103</u>	CR:	D: <u>7292</u>	E: <u>3315</u>		
F: <u>622</u>	G: <u>5041</u>	S: <u>3336</u>			
^{EXP} K: <u>1894,6722,8997</u>	K: <u>1516,8371,8906</u>	K:			

NOTES: 1,4 = 53,54

PAGE 1 OF 1 SIGNATURE: Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER	Duval & Stey	EQUIPMENT/METERS	ID #'s
DATE/TIME	7/11/22 950	TVA - 2020	A3A4B2
WELL	RFW-125	U - 10	707062
WEATHER	Sunny	SAMPLING DATA	
TYPE	BASELINE	METHOD: Bailer	
		START TIME: 950	

EVACUATION DATA		EVACUATION CHEMS					
WELL DIAMETER	2"	TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	15.90		PP				
TOC	5.90 TOW	1010	1.7	7.65	0.401	107	22.38
LENGTH OF COLUMN	11.1 X .16	1015	3.4	7.56	0.377	67.4	19.08
VOLUME	1.77 X 3	1020	5.3	7.59	0.367	28.6	18.88
EVAC. GALLONS	5.3						
EVAC. METHOD	Bailer	REAL TIME AIR MONITORING					
GALLONS REMOVED	5.5	INSTR	BG	VH	HS	BZ	
STICK UP		—	—	—	—	—	
		FID	2.5	N/A	4.4	2.3	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES					
PP	B:	PP:	C:	B: 426, 270	
C: 0122	CR:	D: 5000	E: 4112		
F: 11	G: 4890	S: 3337			
K: 6710, 6376, 2177	K: 8320, 6966, 8072	K:			

NOTES: 1, 4 = 56, 57

PAGE 1 OF 1

SIGNATURE:

Richard A. Duval

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES
WELL SAMPLING DATA SHEET

SAMPLER <u>Stey & Duval</u>	EQUIPMENT/METERS	ID #'s
DATE/TIME <u>7/1/22 950</u>	TVA - <u>2020</u>	<u>A3A4B2</u>
WELL <u>RFW-120</u>	U - 10	707062
WEATHER <u>Sunny</u>	SAMPLING DATA	
TYPE <u>BASELINE</u>	METHOD: <u>Pump</u>	
	START TIME: <u>950</u>	

EVACUATION DATA			EVACUATION CHEMS					
WELL DIAMETER	<u>4"</u>		TIME	GALS	PH	COND	TURB	TEMP
WELL DEPTH	<u>45.90</u>			PP				
TOC <u>5.4</u> TOW	<u>4.40</u>		<u>1005</u>	<u>27</u>	<u>7.45</u>	<u>1.72</u>	<u>17.5</u>	<u>19.39</u>
LENGTH OF COLUMN	<u>41.5 x .65</u>		<u>1030</u>	<u>54</u>	<u>7.92</u>	<u>0.398</u>	<u>75.9</u>	<u>18.72</u>
VOLUME	<u>26.9 x 3</u>		<u>1055</u>	<u>81</u>	<u>7.50</u>	<u>1.39</u>	<u>11.0</u>	<u>18.40</u>
EVAC. GALLONS	<u>80.9</u>							
EVAC. METHOD	<u>Pump</u>		REAL TIME AIR MONITORING					
GALLONS REMOVED	<u>81</u>		INSTR	BG	VH	HS	BZ	
STICK UP			<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
			FID	<u>2.4</u>	<u>N/A</u>	<u>2.1</u>	<u>2.4</u>	

FORMULA FOR EVACUATION GALLONS: DEPTH MINUS TOW EQUALS LENGTH.
LENGTH TIMES DIAMETER EQUALS ONE VOLUME. MULTIPLY VOLUME BY THREE.
THIS EQUALS GALLONS TO BE REMOVED. (WELL DIAMETER 2" IS .16 & 4" IS .65.

SAMPLING BOTTLES

PP	B:	PP:	C:	B: <u>784, 576</u>
C: <u>0150</u>	CR:	D: <u>7236</u>	E: <u>3292</u>	
F: <u>621</u>	G: <u>6121</u>	S: <u>3324</u>		
EXP K: <u>6730, 6721, 6439</u>	K: <u>6371, 2152, 6735</u>	K:		

NOTES: 1, 4 = 59, 60

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OF

SIGNATURE:

Richard A. Duval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 7/5/22

Project No _____

Equipment/Meters _____

ID #S _____

Sampler(s) Stey & DuvalWeather/Temp Cloudy 75°Sample Location I.D. Beach Right SRF-2ASample Type BASE LINE

Sample No _____

Site Description _____

Notes

S3353, B1251, B944, C0996, D1107, E4033, F331, G5010,
EXP K 7408, EXP K 7414, EXP K 9138, K6119, K6713, K8198,
3, 6

Tidal Status: High @ _____

Low @ _____

Current _____

Direction of Surface Water Flow _____

Description of water (color, odor, etc)

No Odor, clearishApproximate depth to
bottom3 ft

METER READINGS							
Time		Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb
<u>900</u>		<u>26.62</u>	<u>9.16</u>	<u>8.42</u>			<u>25.3</u>

Comments _____

Sampler Signature

Richard A Duval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 7/5/22

Project No

Equipment/Meters

ID #S

Sampler(s)

Duval & Stey

Weather/Temp

Cloudy 75°

Sample Location I D

Beach Left SRF-2B

Sample Type

BASELINE

Sample No

Site Description

Notes

S3360, B1256, B775, C0126, D1188, E3183, F283, G5009,
 EXP K0105, K7518, K8501, K6374, K6858, K2396, 12, 9
 exp exp

Tidal Status: High @

Low @

Current

Direction of Surface Water Flow

Description of water (color, odor, etc)

No Odor, clearish

Approximate depth to bottom

3ft

Time	METER READINGS						
	Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb	
<u>915</u>	<u>26.71</u>	<u>9.07</u>	<u>8.39</u>			<u>25.7</u>	

Comments

Sampler Signature

Richard A. Duval

LEACHATE SAMPLING FIELD DATA SHEET

Project No. _____ Equipment/Meters _____ ID#'s _____
 Sampler(S) Step & Duval _____
 Weather/Temp RR Samp #1 _____
 Sample Location I.D. BS #32 Leachate _____
 Date/Time 7³⁰ 7/5/22 _____
 Sample Type Baseline _____
 Sample No. _____
 Site Description: _____

Notes: C0146, E3246, F714, H724, S3342, GPK6755, 6331, 6540, K10043, 6753, 6053, I4783, 4776, 4750, 4629, 4691, 4428, 4497, 409, 284

Condition of wet well (defects, level, swell, etc...) No defects found

Describe Leachate (color, foam, etc...) yellow & little to no foam

Estimate flow in each incoming pipe (as possible) No flow visible

METER READINGS

Time	OVA	TNU								
7 ³⁰	BZ	HS	BZ							
FID	9.0	5.7	6.3							

Comments: _____

Sampler Signature/Date: _____

LEACHATE SAMPLING FIELD DATA SHEET

Project No. _____ Equipment/Meters _____ ID#'s _____
 Sampler(S) Duval & Stey
 Weather/Temp Cloudy 72°
 Sample Location I.D. RR Samp #1 Leachate Duplicate
 Date/Time 7³⁰ 7/5/22
 Sample Type BASELINE
 Sample No. _____
 Site Description: _____

Notes: C0115, E3274, F305, H404, S3335, OXPK6746, G553, G4165, K82169, 77916, 8706
I 4800, 363, 4504, 274, 4719, 4546, 4862, 4454, 4869

Condition of wet well (defects, level, swell, etc...) No defects found

Describe Leachate (color, foam, etc...) yellow & little to no foam

Estimate flow in each incoming pipe (as possible) No flow visible

METER READINGS

Time	OVA	TINU								
7 ³⁰	BZ	HS	BZ							
FID	9.0	5.7	6.3							

Comments: _____

Sampler Signature/Date: _____

LEACHATE SAMPLING FIELD DATA SHEET

Project No. _____ Equipment/Meters _____ ID#'s _____
 Sampler(S) Stey & Duval _____
 Weather/Temp Cloudy 45° _____
 Sample Location I.D. P.S. #20 _____
 Date/Time 7/5/22 810 _____
 Sample Type Baseline leachate _____
 Sample No. _____
 Site Description: _____

Notes: L0700, E4018, F683, H268, S3343, ExDK1733, 6830, 1739, K2676, 16748, 5601, I 4767, 4718, 466, 4741, 4724, 4498, 4797, 4439, 4856

Condition of wet well (defects, level, swell, etc...) No defects

Describe Leachate (color, foam, etc...) Heavy odor, Dark, sludge

Estimate flow in each incoming pipe (as possible) Heavy flow, pumps on

METER READINGS

Time	OVA	FINL								
810	BZ	145	BZ							
FID	9.9	38.7	6.6							

Comments: _____

Sampler Signature/Date: _____

LEACHATE SAMPLING FIELD DATA SHEET

Project No. _____ Equipment/Meters _____ ID#'s _____
 Sampler(S) Duval & Stey _____
 Weather/Temp Cloudy 73° _____
 Sample Location I.D. P.S. #02 Duplicate _____
 Date/Time 7/5/22 8¹⁵ _____
 Sample Type Baseline Leachate _____
 Sample No. _____
 Site Description: _____

Notes: C0059, E3417, F393, H541, S3340, EXP K10764, 70816, S1000, K7006, 65334, 0461, I4787, 48316, 116, 4744, 4575, 4721, 4722, 461, 4478

Condition of wet well (defects, level, swell, etc...) No defects

Describe Leachate (color, foam, etc...) Heavy Odor, Dark, sludge

Estimate flow in each incoming pipe (as possible) Heavy flow, pumps on

METER READINGS

Time	OVA	HNB								
8 ¹⁰	BZ	HS	BZ							
FID	9.9	38.7	6.6							

Comments: _____

Sampler Signature/Date: _____

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 7/13/22

Project No

Equipment/Meters

ID #S

Sampler(s):

Stey & Duval

Weather/Temp

Sunny 85°

Sample Location ID

Tellers Point Left SRF-1B

Sample Type

Baseline

Sample No

Site Description

Notes

S3334, B524, B1099, C1001, D1026, E4011, F040, G5178,
EXP K7592, EXP K8956, EXP K8267, K7058, K6545, K6388, 11, 10

Tidal Status: High @

932

Low @

Current

Direction of Surface Water Flow

yellow, Odorous

Description of water (color, odor, etc)

Approximate depth to
bottom3 ft

METER READINGS							
Time	Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb	
<u>905</u>	<u>26.01</u>	<u>14.1</u>	<u>7.46</u>			<u>22.0</u>	

Comments

Sampler Signature

Richard A. Duval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 7/13/22

Project No

Equipment/Meters

ID #S

Sampler(s): Duval & StoyWeather/Temp Sunny 85°Sample Location I.D. Teller's Point Right SRF-1ASample Type Baseline

Sample No

Site Description

Notes: S3345, B1085, B1090, C0100, D1349, E4119, F209, G5004,
EXP K 7556, EXP K 9114, EXP K 8969, K 8972, K 7055, K 1581,
5, 08

Tidal Status: High @ 9:32

Low @

Current

Direction of Surface Water Flow yellow, odor less

Description of water (color, odor, etc)

Approximate depth to bottom 3 ft

METER READINGS								
Time			Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb
900			26.22	14.1	8.18			21.4

Comments

Sampler Signature

Richard A. Duval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 7/13/22

Project No

Equipment/Meters

ID #S

Sampler(s)

Duval & Stey

Weather/Temp

Sunny 85°

Sample Location ID

MARSH Left SRF-3B

Sample Type

Baseline

Sample No

Site Description

Notes

S 3325, B 715, B 1036, C 0138, D 1311, E 4058
F 697, G 4823, EXP K 7849, 8908, 0176, K 6620, 5123, 8517,
02, 01

Tidal Status: High @

932

Low @

Current

Direction of Surface Water Flow

Description of water (color, odor, etc)

yellow, OdorlessApproximate depth to
bottom

METER READINGS						
Time	Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb
<u>915</u>	<u>25.89</u>	<u>14.3</u>	<u>7.51</u>			<u>21.9</u>

Comments

Sampler Signature

Richard A. Duval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 7/13/22

Project No

Equipment/Meters

ID #S

Sampler(s)

Stey & Duval

Weather/Temp

Sunny 85°

Sample Location I.D.

MARSH Right SRF-3A

Sample Type

BASELINE

Sample No

Site Description

Notes S3332, B187, B1277, C0129, D0669, E3489, F312, G4653
EXP K8392, EXP K8502, EXP K8484, K5805, K8910, K7429
4, 7

Tidal Status: High @ 932

Low @

Current

Direction of Surface Water Flow

Yellow, Odorless

Description of water (color, odor, etc)

Approximate depth to bottom

3ft

Time	METER READINGS						
	Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb	
<u>930</u>	<u>26.12</u>	<u>14.2</u>	<u>8.01</u>			<u>22.1</u>	

Comments

Sampler Signature

Richard A. Duval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 6/29/22

Project No _____

Equipment/Meters _____

ID #S _____

Sampler(s) Steph DuvalWeather/Temp Sunny 80°Sample Location I D SURFACE RR LeftSample Type BASE LINE

Sample No _____

Site Description _____

Notes

S3357, B430, B842, G5111, E4107, F232, D0075,
C0104, K8697, K8175, K0379, K6623, K678, K2682
19, 17 EXP, EXP, EXP

Tidal Status: High @ _____

Low @ _____

Current _____

Direction of Surface Water Flow

yellow, no odorDescription of water (color, odor, etc) _____

_____Approximate depth to
bottom _____

METER READINGS							
Time		Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb
<u>10 15</u>		<u>25.41</u>	<u>7.96</u>	<u>8.13</u>			<u>19.0</u>

Comments _____

Sampler Signature

Richard A. Duval

SURFACE WATER SAMPLING: FIELD DATA SHEET

Date 12/29/22

Project No _____

Equipment/Meters _____

ID #S _____

Sampler(s): Duval & SteyWeather/Temp Sunny 80°Sample Location / D Surface RR RightSample Type Base Line

Sample No _____

Site Description

Notes B791, B1243, C0106, D7451, E3260, F325, G5107, S3323
EXP K8925, EXP K6993, EXP K8463, K6591, K8936, K6608
21, 23

Tidal Status: High @ _____

Low @ _____

Current _____

Direction of Surface Water Flow Yellow, No OdorDescription of water (color, odor, etc) _____
_____Approximate depth to
bottom _____

METER READINGS								
Time			Temp	Conductivity	pH	Dissolved Oxygen	Salinity	Turb
<u>10 10</u>			<u>25.46</u>	<u>7.98</u>	<u>8.02</u>			<u>19.4</u>

Comments _____

_____Sampler Signature Richard A. Duval