Monthly Progress Report
Former Dutch Masters Paint and Varnish Co. – Brooklyn, NY
BCP Site #C224262
August 2022

Activities Completed during the Reporting Period

Groundwater samples were collected to support a request for an extension to the NYC DEP discharge permit; a copy of the results is attached.

Modifications to Work Plan and/or Schedule

The DCP/DOB permitting process was estimated to be completed in June; however, remedial activities are on hold until a special permit is obtained from the Department of City Planning.

Issues Encountered

None.

Data Collected/Received during the Reporting Period

Groundwater samples MW-1 and MW-2, results attached; all results are below the NYCDEP effluent limits.

Activities Undertaken in Support of Citizen Participation Plan

None.

Activities Planned for Next Reporting Period:

The Volunteer will continue to work through the ULURP process.

PHOENIX
Environmental Laboratories, Inc.

Tuesday, August 23, 2022

Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Project ID: 29-41 WYTHE AVE, BROOKLYN
SDG ID: GCL97069
Sample ID#s: CL97069 - CL97070

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

August 23, 2022

SDG I.D.: GCL97069

SIM Analysis:
The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

EPA method 625 is not approved for drinking water matrices.
This analysis should not be used for compliance purposes.

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NY # 11301

Sample Id Cross Reference

August 23, 2022

SDG I.D.: GCL97069

Project ID: 29-41 WYTHE AVE, BROOKLYN

Client Id	Lab Id	Matrix
MW1	CL97069	GW DISCHARGE
MW2	CL97070	GW DISCHARGE

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 23, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GW DISCHARGE	Collected by:		08/02/22	8:00
Location Code:	AMC-ENG	Received by:	CP	08/03/22	17:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCL97069
Phoenix ID: CL97069

Project ID: 29-41 WYTHE AVE, BROOKLYN
Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.001	0.001		mg/L	1	08/05/22	CPP	E200.7
Arsenic	0.006	0.002		mg/L	1	08/05/22	CPP	E200.7
Beryllium	< 0.001	0.001		mg/L	1	08/05/22	CPP	E200.7
Cadmium	< 0.001	0.001		mg/L	1	08/05/22	CPP	E200.7
Chromium	0.404	0.001		mg/L	1	08/05/22	CPP	E200.7
Copper	0.033	0.003		mg/L	1	08/05/22	CPP	E200.7
Silver (Dissolved)	< 0.001	0.001		mg/L	1	08/05/22	EK	E200.7
Arsenic (Dissolved)	0.008	0.004		mg/L	1	08/05/22	EK	E200.7
Beryllium (Dissolved)	< 0.001	0.001		mg/L	1	08/05/22	EK	E200.7
Cadmium (Dissolved)	< 0.001	0.001		mg/L	1	08/05/22	EK	E200.7
Chromium (Dissolved)	0.071	0.001		mg/L	1	08/05/22	EK	E200.7
Copper (Dissolved)	0.006	0.005		mg/L	1	08/05/22	EK	E200.7
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	1	08/05/22	MGH	E245.1
Nickel (Dissolved)	0.008	0.001		mg/L	1	08/05/22	EK	E200.7
Lead (Dissolved)	< 0.002	0.002		mg/L	1	08/05/22	EK	E200.7
Antimony (Dissolved)	0.009	0.005		mg/L	1	08/05/22	EK	E200.7
Selenium (Dissolved)	0.015	0.011		mg/L	1	08/05/22	EK	E200.7
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	2	08/08/22	CPP	E200.8-5.4
Zinc (Dissolved)	0.004	0.002		mg/L	1	08/05/22	EK	E200.7
Mercury	< 0.0002	0.0002		mg/L	1	08/05/22	MGH	E245.1
Nickel	0.022	0.001		mg/L	1	08/05/22	CPP	E200.7
Lead	0.049	0.001		mg/L	1	08/05/22	CPP	E200.7
Antimony	0.009	0.003		mg/L	1	08/05/22	EK	E200.7
Selenium	0.012	0.005		mg/L	1	08/05/22	EK	E200.7
Thallium	< 0.0005	0.0005		mg/L	10	08/09/22	CPP	E200.8-5.4
Zinc	0.093	0.002		mg/L	1	08/05/22	CPP	E200.7
Carbonaceous BOD	3.7	3.7		mg/L	3	08/03/22 17:50	GS/DT	SM5210B-16
Carbonaceous BOD End Incubation						08/08/22 16:08	GS/DT	SM5210B-16

Ver 2

Project ID: 29-41 WYTHE AVE, BROOKLYN
Client ID: MW1

Phoenix I.D.: CL97069

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloride	79.8	3.0		mg/L	1	08/04/22	CL	SM4500CLE-11	
Flash Point	>200	200		Degree F	1	08/05/22	G	SW1010B	
Ignitability	Passed	140		degree F	1	08/05/22	G	SW846-Ignit	1
Nitrite-N	0.273	0.010		mg/L	1	08/03/22 22:45	ER	E353.2	
Nitrate-N	2.27	0.10		mg/L	5	08/03/22 22:48	ER	E353.2	
Oil and Grease by EPA 1664A	2.1	1.4		mg/L	1	08/11/22	BJA	EPA 1664A	
pH	8.10	1.00		pH Units	1	08/04/22 10:34	MW/KDB	SM4500-H B-00	1
Nitrogen Tot Kjeldahl	1.30	0.20		mg/L	2	08/06/22	KDB	E351.1	
Total Nitrogen	3.84	0.10		mg/L	1	08/06/22	KDB	SM4500NH3/E300.0-11	1
O&G, Non-polar Material	6.3	1.5		mg/L	1.1	08/15/22	MSF	E1664A	
Total Suspended Solids	52	10		mg/L	2	08/04/22	NR/QH	SM2540D-15	
Total Solids	940	40		mg/L	4	08/04/22	NR/QH	SM2540B-15	
Filtration	Completed					08/03/22	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed					08/04/22	AB/AB	E245.1	
Mercury Digestion	Completed					08/04/22	AB/AB	E245.1	
pH	7.7	1.00		pH Units	1	08/02/22	*	FIELD	1
PCB Extraction	Completed					08/08/22	T/S	E608.3	
Semi-Volatile Extraction	Completed					08/04/22	X/MQ	E625.1	
Semi-Volatile Extraction	Completed					08/04/22	X/MQ	E625.1	
Temperature; Field Analysis	82.6	0.1		deg. F	1	08/02/22		E170.1	
Dissolved Metals Preparation	Completed					08/04/22	AG	SW3005A	
Dissolved Metals Preparation	Completed					08/03/22	AG	SW3005A	
Total Metals Digestion	Completed					08/04/22	AG		
Total Metals Digestion MS	Completed					08/08/22	AG		
Polychlorinated Biphenyls									
PCB-1016	ND	0.053	0.053	ug/L	1	08/09/22	SC	E608.3	
PCB-1221	ND	0.053	0.053	ug/L	1	08/09/22	SC	E608.3	
PCB-1232	ND	0.053	0.053	ug/L	1	08/09/22	SC	E608.3	
PCB-1242	ND	0.053	0.053	ug/L	1	08/09/22	SC	E608.3	
PCB-1248	ND	0.053	0.053	ug/L	1	08/09/22	SC	E608.3	
PCB-1254	ND	0.053	0.053	ug/L	1	08/09/22	SC	E608.3	
PCB-1260	ND	0.053	0.053	ug/L	1	08/09/22	SC	E608.3	
PCB-1262	ND	0.053	0.053	ug/L	1	08/09/22	SC	E608.3	1
PCB-1268	ND	0.053	0.053	ug/L	1	08/09/22	SC	E608.3	1
QA/QC Surrogates									
% DCBP	39			%	1	08/09/22	SC	30 - 150 %	
% DCBP (Confirmation)	35			%	1	08/09/22	SC	30 - 150 %	
% TCMX	53			%	1	08/09/22	SC	30 - 150 %	
% TCMX (Confirmation)	50			%	1	08/09/22	SC	30 - 150 %	
Volatiles									
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1	
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1	
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1	
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1	
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1	
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1	
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1	

Project ID: 29-41 WYTHE AVE, BROOKLYN
Client ID: MW1

Phoenix I.D.: CL97069

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	08/07/22	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/07/22	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	08/07/22	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	08/07/22	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	08/07/22	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	08/07/22	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/07/22	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	08/07/22	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	08/07/22	MH	70 - 130 %
% Bromofluorobenzene	100			%	1	08/07/22	MH	70 - 130 %
% Dibromofluoromethane	98			%	1	08/07/22	MH	70 - 130 %
% Toluene-d8	102			%	1	08/07/22	MH	70 - 130 %
Semivolatiles by (SIM)								
Acenaphthene	0.08	0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Acenaphthylene	ND	0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Anthracene	0.21	0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Benzo(a)anthracene	1.1	0.04	0.04	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Benzo(a)pyrene	1.2	0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Benzo(b)fluoranthene	0.88	0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Benzo(g,h,i)perylene	2.0	0.10	0.10	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Benzo(k)fluoranthene	0.49	0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Chrysene	1.3	0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Dibenz(a,h)anthracene	0.53	0.02	0.01	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Hexachlorobenzene	ND	0.06	0.06	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Hexachlorobutadiene	ND	0.10	0.10	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Hexachlorocyclopentadiene	ND	0.10	0.10	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Indeno(1,2,3-c,d)pyrene	0.75	0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM

Ver 2

Project ID: 29-41 WYTHE AVE, BROOKLYN
Client ID: MW1

Phoenix I.D.: CL97069

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Nitrobenzene	ND	0.10	0.10	ug/L	1	08/08/22	WB	E625.1/E625.1SIM	
N-Nitrosodimethylamine	ND	0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM	
Pentachlorophenol	ND	0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM	
Phenanthrene	0.78	0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM	
Pyridine	ND	0.50	1.2	ug/L	1	08/08/22	WB	E625.1/E625.1SIM	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	110			%	1	08/08/22	WB	15 - 110 %	
% 2-Fluorobiphenyl	52			%	1	08/08/22	WB	30 - 130 %	
% 2-Fluorophenol	74			%	1	08/08/22	WB	15 - 110 %	
% Nitrobenzene-d5	90			%	1	08/08/22	WB	30 - 130 %	
% Phenol-d5	79			%	1	08/08/22	WB	15 - 110 %	
% Terphenyl-d14	12			%	1	08/08/22	WB	30 - 130 %	3
Semivolatiles									
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
1,2-Dichlorobenzene	ND	5.0	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
1,2-Diphenylhydrazine	ND	5.0	5.0	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
1,3-Dichlorobenzene	ND	5.0	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
1,4-Dichlorobenzene	ND	5.0	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
2,2'-Oxybis(1-Chloropropane)	ND	5.0	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
2,4,5-Trichlorophenol	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2,4,6-Trichlorophenol	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2,4-Dichlorophenol	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2,4-Dimethylphenol	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2,4-Dinitrophenol	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2,6-Dichlorophenol	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2-Chloronaphthalene	ND	5.0	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2-Chlorophenol	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2-Methylnaphthalene	ND	5.0	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
2-Methylphenol (o-cresol)	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2-Nitroaniline	ND	9.9	5.0	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
2-Nitrophenol	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
3&4-Methylphenol (m&p-cresol)	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
3,3'-Dichlorobenzidine	ND	5.0	2.3	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
3-Nitroaniline	ND	5.0	5.0	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
4,6-Dinitro-2-methylphenol	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
4-Chloro-3-methylphenol	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
4-Chloroaniline	ND	5.0	2.3	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
4-Nitroaniline	ND	5.0	1.7	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
4-Nitrophenol	ND	5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Benzidine	ND	5.0	2.9	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Benzoic acid	ND	9.9	9.9	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
Benzyl alcohol	ND	9.9	5.0	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Bis(2-chloroethyl)ether	ND	5.0	1.3	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	

Project ID: 29-41 WYTHE AVE, BROOKLYN
Client ID: MW1

Phoenix I.D.: CL97069

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bis(2-ethylhexyl)phthalate	ND		0.99	0.99	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Dibenzofuran	ND		0.99	0.99	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
Diethyl phthalate	1.8	J	5.0	1.6	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Dimethylphthalate	ND		5.0	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Di-n-butylphthalate	ND		5.0	1.3	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Di-n-octylphthalate	ND		5.0	1.3	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Fluoranthene	ND		5.0	1.6	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Fluorene	ND		5.0	1.6	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Hexachlorobenzene	ND		5.0	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Hexachlorobutadiene	ND		5.0	1.8	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Hexachlorocyclopentadiene	ND		5.0	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Hexachloroethane	ND		0.99	0.99	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Isophorone	ND		5.0	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Naphthalene	ND		5.0	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
N-Nitrosodi-n-propylamine	ND		5.0	1.6	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
N-Nitrosodiphenylamine	ND		5.0	1.9	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Pentachlorophenol	ND		5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Phenol	ND		5.0	0.89	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Pyrene	ND		5.0	1.7	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Pyridine	ND		5.0	1.2	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	102				%	1	08/09/22	WB	15 - 130 %	
% 2-Fluorobiphenyl	60				%	1	08/09/22	WB	30 - 130 %	
% 2-Fluorophenol	67				%	1	08/09/22	WB	10 - 130 %	
% Nitrobenzene-d5	83				%	1	08/09/22	WB	15 - 130 %	
% Phenol-d5	62				%	1	08/09/22	WB	10 - 130 %	
% Terphenyl-d14	11				%	1	08/09/22	WB	30 - 130 %	3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1 QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

Oil and Grease:
This sample was received with a pH>=2; pH was adjusted to <2 (EPA requires preservation at time of sampling to a pH of <2.) A sample bias can not be ruled out.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 23, 2022
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 23, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GW DISCHARGE	Collected by:		08/02/22	9:00
Location Code:	AMC-ENG	Received by:	CP	08/03/22	17:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCL97069
Phoenix ID: CL97070

Project ID: 29-41 WYTHE AVE, BROOKLYN
Client ID: MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.001	0.001		mg/L	1	08/05/22	CPP	E200.7
Arsenic	0.005	0.002		mg/L	1	08/05/22	CPP	E200.7
Beryllium	< 0.001	0.001		mg/L	1	08/05/22	CPP	E200.7
Cadmium	< 0.001	0.001		mg/L	1	08/05/22	CPP	E200.7
Chromium	< 0.001	0.001		mg/L	1	08/05/22	CPP	E200.7
Copper	< 0.003	0.003		mg/L	1	08/05/22	CPP	E200.7
Silver (Dissolved)	< 0.001	0.001		mg/L	1	08/05/22	EK	E200.7
Arsenic (Dissolved)	0.010	0.004		mg/L	1	08/05/22	EK	E200.7
Beryllium (Dissolved)	< 0.001	0.001		mg/L	1	08/05/22	EK	E200.7
Cadmium (Dissolved)	< 0.001	0.001		mg/L	1	08/05/22	EK	E200.7
Chromium (Dissolved)	< 0.001	0.001		mg/L	1	08/05/22	EK	E200.7
Copper (Dissolved)	< 0.005	0.005		mg/L	1	08/05/22	EK	E200.7
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	1	08/05/22	MGH	E245.1
Nickel (Dissolved)	0.002	0.001		mg/L	1	08/05/22	EK	E200.7
Lead (Dissolved)	< 0.002	0.002		mg/L	1	08/05/22	EK	E200.7
Antimony (Dissolved)	< 0.005	0.005		mg/L	1	08/05/22	EK	E200.7
Selenium (Dissolved)	< 0.011	0.011		mg/L	1	08/05/22	EK	E200.7
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	2	08/08/22	CPP	E200.8-5.4
Zinc (Dissolved)	0.019	0.002		mg/L	1	08/05/22	EK	E200.7
Mercury	< 0.0002	0.0002		mg/L	1	08/05/22	MGH	E245.1
Nickel	0.002	0.001		mg/L	1	08/05/22	CPP	E200.7
Lead	0.015	0.001		mg/L	1	08/05/22	CPP	E200.7
Antimony	0.004	0.003		mg/L	1	08/05/22	EK	E200.7
Selenium	< 0.005	0.005		mg/L	1	08/05/22	CPP	E200.7
Thallium	< 0.0005	0.0005		mg/L	10	08/09/22	CPP	E200.8-5.4
Zinc	0.029	0.002		mg/L	1	08/05/22	CPP	E200.7
Nitrite-N	0.073	0.010		mg/L	1	08/03/22 22:49	ER	E353.2
Nitrate-N	0.20	0.02		mg/L	1	08/03/22 22:49	ER	E353.2

Ver 2

Project ID: 29-41 WYTHE AVE, BROOKLYN
Client ID: MW2

Phoenix I.D.: CL97070

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Oil and Grease by EPA 1664A	1.8	1.4		mg/L	1	08/10/22	BJA	EPA 1664A	
pH	7.86	1.00		pH Units	1	08/04/22 10:35	MW/KDB	SM4500-H B-00	1
Total Suspended Solids	9.3	3.3		mg/L	0.7	08/04/22	NR/QH	SM2540D-15	
Filtration	Completed					08/03/22	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed					08/04/22	AB/AB	E245.1	
Mercury Digestion	Completed					08/04/22	AB/AB	E245.1	
pH	7.4	1.00		pH Units	1	08/02/22	*	FIELD	1
PCB Extraction	Completed					08/04/22		E608.3	
Semi-Volatile Extraction	Completed					08/04/22	X/MQ	E625.1	
Temperature; Field Analysis	81.7	0.1		deg. F	1	08/02/22		E170.1	
Dissolved Metals Preparation	Completed					08/04/22	AG	SW3005A	
Dissolved Metals Preparation	Completed					08/03/22	AG	SW3005A	
Total Metals Digestion	Completed					08/04/22	AG		
Total Metals Digestion MS	Completed					08/08/22	AG		
Polychlorinated Biphenyls									
PCB-1016	ND	0.057	0.057	ug/L	1	08/05/22	SC	E608.3	
PCB-1221	ND	0.057	0.057	ug/L	1	08/05/22	SC	E608.3	
PCB-1232	ND	0.057	0.057	ug/L	1	08/05/22	SC	E608.3	
PCB-1242	ND	0.057	0.057	ug/L	1	08/05/22	SC	E608.3	
PCB-1248	ND	0.057	0.057	ug/L	1	08/05/22	SC	E608.3	
PCB-1254	ND	0.057	0.057	ug/L	1	08/05/22	SC	E608.3	
PCB-1260	ND	0.057	0.057	ug/L	1	08/05/22	SC	E608.3	
PCB-1262	ND	0.057	0.057	ug/L	1	08/05/22	SC	E608.3	1
PCB-1268	ND	0.057	0.057	ug/L	1	08/05/22	SC	E608.3	1
QA/QC Surrogates									
% DCBP	30			%	1	08/05/22	SC	30 - 150 %	
% DCBP (Confirmation)	32			%	1	08/05/22	SC	30 - 150 %	
% TCMX	62			%	1	08/05/22	SC	30 - 150 %	
% TCMX (Confirmation)	70			%	1	08/05/22	SC	30 - 150 %	
Volatiles									
1,1,1-Trichloroethane	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
1,1,2,2-tetrachloroethane	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
1,1,2-Trichloroethane	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
1,1-Dichloroethane	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
1,1-Dichloroethene	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
1,2-Dichlorobenzene	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
1,2-Dichloroethane	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
1,2-Dichloropropane	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
1,3-Dichlorobenzene	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
1,3-Dichloropropene	ND	5.0	5.0	ug/L	1	08/07/22	MH	E624.1	1
1,4-Dichlorobenzene	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
Benzene	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
Bromodichloromethane	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
Bromoform	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
Bromomethane	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
Carbon tetrachloride	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	
Chlorobenzene	ND	5.0	0.50	ug/L	1	08/07/22	MH	E624.1	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
Chloroform	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
Chloromethane	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
cis-1,2-Dichloroethene	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
Dibromochloromethane	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
Ethylbenzene	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
m&p-Xylenes	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
Methyl t-butyl ether (MTBE)	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
Methylene chloride	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
o-Xylene	ND		5.0	0.45	ug/L	1	08/07/22	MH	E624.1
Tetrachloroethene	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
Toluene	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
Total Xylenes	ND		5.0	5.0	ug/L	1	08/07/22	MH	E624.1
trans-1,2-Dichloroethene	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
Trichloroethene	0.99	J	5.0	0.50	ug/L	1	08/07/22	MH	E624.1
Trichlorofluoromethane	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
Vinyl chloride	ND		5.0	0.50	ug/L	1	08/07/22	MH	E624.1
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	08/07/22	MH	70 - 130 %
% Bromofluorobenzene	99				%	1	08/07/22	MH	70 - 130 %
% Dibromofluoromethane	96				%	1	08/07/22	MH	70 - 130 %
% Toluene-d8	101				%	1	08/07/22	MH	70 - 130 %
Semivolatiles by (SIM)									
Acenaphthene	0.21		0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Acenaphthylene	ND		0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Anthracene	0.20		0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Benzo(a)anthracene	0.50		0.04	0.04	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Benzo(a)pyrene	0.70		0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Benzo(b)fluoranthene	0.49		0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Benzo(g,h,i)perylene	0.49		0.10	0.10	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Benzo(k)fluoranthene	0.48		0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Chrysene	0.47		0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Dibenz(a,h)anthracene	0.12		0.02	0.01	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Hexachlorobenzene	ND		0.06	0.06	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Hexachlorobutadiene	ND		0.10	0.10	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Hexachlorocyclopentadiene	ND		0.10	0.10	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Indeno(1,2,3-c,d)pyrene	0.63		0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Nitrobenzene	ND		0.10	0.10	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
N-Nitrosodimethylamine	ND		0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Pentachlorophenol	ND		0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Phenanthrene	0.63		0.05	0.05	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
Pyridine	ND		0.51	1.2	ug/L	1	08/08/22	WB	E625.1/E625.1SIM
QA/QC Surrogates									
% 2,4,6-Tribromophenol	110				%	1	08/08/22	WB	15 - 110 %
% 2-Fluorobiphenyl	55				%	1	08/08/22	WB	30 - 130 %
% 2-Fluorophenol	72				%	1	08/08/22	WB	15 - 110 %
% Nitrobenzene-d5	84				%	1	08/08/22	WB	30 - 130 %

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Phenol-d5	77				%	1	08/08/22	WB	15 - 110 %	
% Terphenyl-d14	14				%	1	08/08/22	WB	30 - 130 %	3
Semivolatiles										
1,2,4-Trichlorobenzene	ND		5.1	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
1,2-Dichlorobenzene	ND		5.1	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
1,2-Diphenylhydrazine	ND		5.1	5.1	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
1,3-Dichlorobenzene	ND		5.1	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
2,2'-Oxybis(1-Chloropropane)	ND		5.1	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
2,4,5-Trichlorophenol	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2,4,6-Trichlorophenol	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2,4-Dichlorophenol	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2,4-Dimethylphenol	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2,4-Dinitrophenol	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2,4-Dinitrotoluene	ND		5.1	2.0	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2,6-Dichlorophenol	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
2,6-Dinitrotoluene	ND		5.1	1.6	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2-Chloronaphthalene	ND		5.1	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2-Chlorophenol	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2-Methylnaphthalene	ND		5.1	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
2-Methylphenol (o-cresol)	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
2-Nitroaniline	ND		10	5.1	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
2-Nitrophenol	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
3&4-Methylphenol (m&p-cresol)	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
3,3'-Dichlorobenzidine	ND		5.1	2.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
3-Nitroaniline	ND		5.1	5.1	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
4,6-Dinitro-2-methylphenol	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
4-Bromophenyl phenyl ether	ND		5.1	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
4-Chloro-3-methylphenol	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
4-Chloroaniline	ND		5.1	2.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
4-Chlorophenyl phenyl ether	ND		5.1	1.7	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
4-Nitroaniline	ND		5.1	1.7	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
4-Nitrophenol	ND		5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Benzidine	ND		5.1	3.0	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Benzoic acid	ND		10	10	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
Benzyl alcohol	ND		10	5.1	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
Benzyl butyl phthalate	ND		5.1	1.3	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Bis(2-chloroethoxy)methane	ND		5.1	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Bis(2-chloroethyl)ether	ND		5.1	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Bis(2-ethylhexyl)phthalate	ND		1.0	1.0	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Dibenzofuran	ND		1.0	1.0	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	1
Diethyl phthalate	3.3	J	5.1	1.6	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Dimethylphthalate	ND		5.1	1.6	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Di-n-butylphthalate	ND		5.1	1.3	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Di-n-octylphthalate	ND		5.1	1.3	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Fluoranthene	ND		5.1	1.6	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Fluorene	ND		5.1	1.7	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Hexachlorobenzene	ND		5.1	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Hexachlorobutadiene	ND		5.1	1.8	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	

Project ID: 29-41 WYTHE AVE, BROOKLYN
Client ID: MW2

Phoenix I.D.: CL97070

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorocyclopentadiene	ND	5.1	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Hexachloroethane	ND	1.0	1.0	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Isophorone	ND	5.1	1.4	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Naphthalene	ND	5.1	1.5	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
N-Nitrosodi-n-propylamine	ND	5.1	1.6	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
N-Nitrosodiphenylamine	ND	5.1	1.9	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Pentachlorophenol	ND	5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Phenol	ND	5.1	0.91	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Pyrene	ND	5.1	1.7	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
Pyridine	ND	5.1	1.2	ug/L	1	08/09/22	WB	E625.1/E625.1SIM	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	96			%	1	08/09/22	WB	15 - 130 %	
% 2-Fluorobiphenyl	63			%	1	08/09/22	WB	30 - 130 %	
% 2-Fluorophenol	69			%	1	08/09/22	WB	10 - 130 %	
% Nitrobenzene-d5	74			%	1	08/09/22	WB	15 - 130 %	
% Phenol-d5	64			%	1	08/09/22	WB	10 - 130 %	
% Terphenyl-d14	12			%	1	08/09/22	WB	30 - 130 %	3

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 23, 2022
Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

August 23, 2022

QA/QC Data

SDG I.D.: GCL97069

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 635952 (mg/L), QC Sample No: CL96518 (CL97069, CL97070)													
Mercury (Dissolved)	BRL	0.0002	<0.0002	<0.0002	NC	104			109			80 - 120	20
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.													
QA/QC Batch 635954 (mg/L), QC Sample No: CL96716 (CL97069, CL97070)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	98.7			103			80 - 120	20
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.													
QA/QC Batch 636072 (mg/L), QC Sample No: CL96610 (CL97069, CL97070)													
ICP Metals - Aqueous													
Antimony	BRL	0.0025	<0.003	<0.0025	NC	94.9	100	5.2	104			80 - 120	20
Arsenic	BRL	0.0020	<0.002	<0.0020	NC	91.1	95.5	4.7	97.4			80 - 120	20
Beryllium	BRL	0.0005	<0.001	<0.0005	NC	100	102	2.0	101			80 - 120	20
Cadmium	BRL	0.0005	<0.001	<0.0005	NC	101	105	3.9	104			80 - 120	20
Chromium	BRL	0.0005	<0.001	0.0007	NC	99.6	104	4.3	104			80 - 120	20
Copper	BRL	0.0025	0.014	0.0114	NC	96.5	100	3.6	107			80 - 120	20
Lead	BRL	0.0010	0.001	0.0013	NC	99.0	103	4.0	108			80 - 120	20
Nickel	BRL	0.0005	0.002	0.0017	NC	98.2	102	3.8	103			80 - 120	20
Selenium	BRL	0.0050	<0.005	<0.0050	NC	87.9	92.3	4.9	92.8			80 - 120	20
Silver	BRL	0.0005	<0.001	<0.0005	NC	94.4	97.0	2.7	102			80 - 120	20
Zinc	BRL	0.0020	0.044	0.0414	6.10	97.1	101	3.9	103			80 - 120	20
Comment:													
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.													
QA/QC Batch 636135 (mg/L), QC Sample No: CL97043 (CL97069, CL97070)													
ICP Metals - Dissolved													
Antimony	BRL	0.005	<0.005	<0.005	NC	92.0	89.5	2.8	91.5			80 - 120	20
Arsenic	BRL	0.004	<0.004	<0.004	NC	91.2	89.6	1.8	91.2			80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	95.5	93.9	1.7	94.8			80 - 120	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	91.5	90.0	1.7	90.6			80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	92.3	90.3	2.2	91.7			80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	93.9	91.8	2.3	94.1			80 - 120	20
Lead	BRL	0.002	<0.002	<0.002	NC	91.7	90.7	1.1	91.1			80 - 120	20
Nickel	BRL	0.001	<0.001	0.001	NC	92.0	90.2	2.0	91.2			80 - 120	20
Selenium	BRL	0.011	<0.011	<0.011	NC	92.2	90.2	2.2	91.5			80 - 120	20
Silver	BRL	0.001	<0.001	<0.001	NC	93.2	91.6	1.7	93.6			80 - 120	20
Zinc	BRL	0.002	<0.002	<0.002	NC	91.4	89.4	2.2	91.2			80 - 120	20
Comment:													
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.													
QA/QC Batch 635923 (mg/L), QC Sample No: CL97284 2X (CL97069, CL97070)													
ICP Metals MS - Dissolved													
Thallium	BRL	0.0005	<0.0005	<0.0005	NC	94.8	96.8	2.1	94.8			80 - 120	20

QA/QC Data

SDG I.D.: GCL97069

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Comment:													
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.													
QA/QC Batch 636528 (mg/L), QC Sample No: CL98715 2X (CL97069, CL97070)													
ICP MS Metals - Aqueous													
Thallium	BRL	0.0001	<0.0005	<0.0005	NC	97.4	104	6.6	106			80 - 120	20
Comment:													
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.													

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NY # 11301

QA/QC Report

August 23, 2022

QA/QC Data

SDG I.D.: GCL97069

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 635964 (mg/L), QC Sample No: CL95260 (CL97069, CL97070)													
Total Suspended Solids	BRL	2.5	<3.3	<3.3	NC	105						85 - 115	20
QA/QC Batch 637466 (mg/L), QC Sample No: CL96013 (CL97069)													
O&G, Non-polar Material	BRL	1.4				92.0	94.0	2.2				85 - 115	20
Comment:													
A Blank spike was performed instead of a matrix spike													
Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 636035 (pH), QC Sample No: CL96214 (CL97069, CL97070)													
pH			7.27	7.25	0.30	97.5						85 - 115	20
QA/QC Batch 636655 (mg/L), QC Sample No: CL96559 (CL97070)													
Oil and Grease by EPA 1664A	BRL	1.4				101	99.0	2.0				85 - 115	20
Comment:													
Additional: MS acceptance range 75-125%.													
QA/QC Batch 635886 (mg/L), QC Sample No: CL96610 (CL97069)													
B.O.D./5 day	BRL	2.0	<4.0	<4.0	NC	113			117			70 - 130	20
B.O.D./5 day GGA CBOD						91.9						84 - 115	20
QA/QC Batch 636014 (mg/L), QC Sample No: CL97069 (CL97069)													
Total Solids	BRL	10	940	1000	6.20	97.0						85 - 115	20
QA/QC Batch 636202 (Degree F), QC Sample No: CL97421 (CL97069)													
Flash Point			>200	>200	NC	100						75 - 125	30
Comment:													
Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 637025 (mg/L), QC Sample No: CL97587 (CL97069)													
Oil and Grease by EPA 1664A	BRL	1.4	<1.4	<1.4	NC	92.0			92.0			85 - 115	20
Comment:													
Additional: MS acceptance range 75-125%.													
QA/QC Batch 635913 (mg/L), QC Sample No: CL96741 (CL97069)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	107			103			90 - 110	20
Comment:													
Additional Hexavalent Chromium criteria: LCS acceptance range for waters is 90-110% and MS acceptance range is 85-115%.													
QA/QC Batch 635946 (mg/L), QC Sample No: CL96441 (CL97069, CL97070)													
Nitrate-N	BRL	0.02	0.04	0.04	NC	96.7			99.1			90 - 110	20
Nitrite-N	BRL	0.01	<0.010	<0.01	NC	101			102			90 - 110	20
QA/QC Batch 636141 (mg/L), QC Sample No: CL97894 (CL97069)													
Chloride	BRL	3.0	62.0	63.3	2.10	101			101			90 - 110	20
QA/QC Batch 636183 (mg/L), QC Sample No: CL95887 (CL97069)													
Nitrogen Tot Kjeldahl	BRL	0.10	1.86	1.87	0.50	96.3			102			85 - 115	20

QA/QC Data

SDG I.D.: GCL97069

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

Comment:

TKN is reported as Organic Nitrogen in the Blank, LCS, DUP and MS.

Additional criteria: LCS acceptance range for waters is 85-115% and for soils is 75-125%. MS acceptance range is 75-125%.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

August 23, 2022

QA/QC Data

SDG I.D.: GCL97069

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 636538 (ug/L), QC Sample No: CL95404 (CL97069)											
Polychlorinated Biphenyls											
PCB-1016	ND	0.050	76	76	0.0				50 - 140	20	
PCB-1221	ND	0.050							40 - 140	20	
PCB-1232	ND	0.050							40 - 140	20	
PCB-1242	ND	0.050							40 - 140	20	
PCB-1248	ND	0.050							40 - 140	20	
PCB-1254	ND	0.050							40 - 140	20	
PCB-1260	ND	0.050	80	94	16.1				30 - 140	20	
PCB-1262	ND	0.050							40 - 140	20	
PCB-1268	ND	0.050							40 - 140	20	
% DCBP (Surrogate Rec)	80	%	75	87	14.8				30 - 150	20	
% DCBP (Surrogate Rec) (Confirm	75	%	78	99	23.7				30 - 150	20	r
% TCMX (Surrogate Rec)	60	%	55	61	10.3				30 - 150	20	
% TCMX (Surrogate Rec) (Confirm	56	%	56	70	22.2				30 - 150	20	r
Comment:											
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.											
QA/QC Batch 636104 (ug/L), QC Sample No: CL96015 (CL97070)											
Polychlorinated Biphenyls											
PCB-1016	ND	0.050	74	71	4.1				50 - 140	20	
PCB-1221	ND	0.050							40 - 140	20	
PCB-1232	ND	0.050							40 - 140	20	
PCB-1242	ND	0.050							40 - 140	20	
PCB-1248	ND	0.050							40 - 140	20	
PCB-1254	ND	0.050							40 - 140	20	
PCB-1260	ND	0.050	85	83	2.4				30 - 140	20	
PCB-1262	ND	0.050							40 - 140	20	
PCB-1268	ND	0.050							40 - 140	20	
% DCBP (Surrogate Rec)	88	%	85	86	1.2				30 - 150	20	
% DCBP (Surrogate Rec) (Confirm	80	%	77	83	7.5				30 - 150	20	
% TCMX (Surrogate Rec)	65	%	60	60	0.0				30 - 150	20	
% TCMX (Surrogate Rec) (Confirm	63	%	58	62	6.7				30 - 150	20	
Comment:											
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.											
QA/QC Batch 636077 (ug/L), QC Sample No: CL97016 (CL97069, CL97070)											
Semivolatiles (SIM)											
Acenaphthene	ND	0.50	65	67	3.0				60 - 132	48	
Acenaphthylene	ND	0.50	52	54	3.8				54 - 126	74	I
Anthracene	ND	0.50	64	67	4.6				43 - 120	66	
Benz(a)anthracene	ND	0.50	67	70	4.4				42 - 133	53	
Benzo(a)pyrene	ND	0.50	66	68	3.0				32 - 148	72	
Benzo(b)fluoranthene	ND	0.50	80	85	6.1				42 - 140	71	

QA/QC Data

SDG I.D.: GCL97069

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzo(ghi)perylene	ND	0.50	78	81	3.8				10 - 195	97	
Benzo(k)fluoranthene	ND	0.50	78	82	5.0				25 - 146	63	
Chrysene	ND	0.50	71	75	5.5				44 - 140	87	
Dibenz(a,h)anthracene	ND	0.50	83	87	4.7				10 - 200	126	
Hexachlorobenzene	ND	0.50	71	76	6.8				8 - 142	55	
Hexachlorobutadiene	ND	0.50	53	59	10.7				38 - 120	62	
Hexachlorocyclopentadiene	ND	0.50	25	23	8.3				10 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	0.50	91	94	3.2				10 - 151	99	
Nitrobenzene	ND	0.50	74	74	0.0				54 - 158	62	
N-Nitrosodimethylamine	ND	0.05	84	80	4.9				10 - 130	20	
Pentachlorophenol	ND	0.50	58	61	5.0				38 - 152	86	
Phenanthrene	ND	0.50	63	67	6.2				65 - 120	39	I
Pyridine	ND	0.50	67	60	11.0				10 - 130	20	
% 2,4,6-Tribromophenol	101	%	105	110	4.7				15 - 130	20	
% 2-Fluorobiphenyl	60	%	62	62	0.0				30 - 130	20	
% 2-Fluorophenol	81	%	67	63	6.2				10 - 130	20	
% Nitrobenzene-d5	84	%	81	80	1.2				15 - 130	20	
% Phenol-d5	82	%	77	76	1.3				10 - 130	20	
% Terphenyl-d14	83	%	74	79	6.5				30 - 130	20	
QA/QC Batch 636077 (ug/L), QC Sample No: CL97016 (CL97069, CL97070)											
Semivolatiles											
1,2,4-Trichlorobenzene	ND	3.5	69	76	9.7				57 - 130	50	
1,2-Dichlorobenzene	ND	1.0	74	77	4.0				30 - 130	20	
1,2-Diphenylhydrazine	ND	1.6	83	95	13.5				10 - 130	20	
1,3-Dichlorobenzene	ND	1.0	73	77	5.3				46 - 154	20	
1,4-Dichlorobenzene	ND	1.0	76	79	3.9				30 - 130	20	
2,2'-Oxybis(1-Chloropropane)	ND	1.0	69	69	0.0				10 - 130	20	
2,4,5-Trichlorophenol	ND	1.0	88	100	12.8				10 - 130	20	
2,4,6-Trichlorophenol	ND	1.0	86	97	12.0				52 - 129	58	
2,4-Dichlorophenol	ND	1.0	82	89	8.2				53 - 122	50	
2,4-Dimethylphenol	ND	1.0	82	84	2.4				42 - 120	58	
2,4-Dinitrophenol	ND	1.0	69	83	18.4				10 - 173	132	
2,4-Dinitrotoluene	ND	3.5	85	95	11.1				48 - 127	42	
2,6-Dichlorophenol	ND	10	77	83	7.5				10 - 130	20	
2,6-Dinitrotoluene	ND	3.5	83	91	9.2				68 - 137	48	
2-Chloronaphthalene	ND	3.5	78	85	8.6				65 - 120	24	
2-Chlorophenol	ND	1.0	81	81	0.0				36 - 120	61	
2-Methylnaphthalene	ND	3.5	75	82	8.9				10 - 130	20	
2-Methylphenol (o-cresol)	ND	1.0	85	88	3.5				10 - 130	20	
2-Nitroaniline	ND	3.5	148	176	17.3				10 - 130	20	I
2-Nitrophenol	ND	1.0	81	86	6.0				45 - 167	55	
3&4-Methylphenol (m&p-cresol)	ND	1.0	88	91	3.4				10 - 130	20	
3,3'-Dichlorobenzidine	ND	5.0	79	88	10.8				8 - 213	108	
3-Nitroaniline	ND	5.0	103	119	14.4				10 - 130	20	
4,6-Dinitro-2-methylphenol	ND	1.0	77	87	12.2				10 - 130	20	
4-Bromophenyl phenyl ether	ND	3.5	80	90	11.8				65 - 120	43	
4-Chloro-3-methylphenol	ND	1.0	92	102	10.3				41 - 128	73	
4-Chloroaniline	ND	3.5	86	99	14.1				10 - 130	20	
4-Chlorophenyl phenyl ether	ND	1.0	80	89	10.7				38 - 145	61	
4-Nitroaniline	ND	5.0	92	102	10.3				10 - 130	20	
4-Nitrophenol	ND	1.0	94	104	10.1				13 - 129	131	
Benzidine	ND	4.5	78	86	9.8				10 - 130	20	

QA/QC Data

SDG I.D.: GCL97069

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzoic acid	ND	10	82	59	32.6				10 - 130	20	r
Benzyl Alcohol	ND	5.0	84	84	0.0				10 - 130	20	
Benzyl butyl phthalate	ND	1.5	89	99	10.6				10 - 140	60	
Bis(2-chloroethoxy)methane	ND	3.5	83	89	7.0				49 - 165	54	
Bis(2-chloroethyl)ether	ND	1.0	68	68	0.0				43 - 126	108	
Bis(2-ethylhexyl)phthalate	ND	1.5	88	98	10.8				29 - 137	82	
Dibenzofuran	ND	3.5	81	90	10.5				10 - 130	20	
Diethyl phthalate	ND	1.5	86	97	12.0				10 - 120	100	
Dimethylphthalate	ND	1.5	83	96	14.5				10 - 120	183	
Di-n-butylphthalate	ND	1.5	91	102	11.4				8 - 120	47	
Di-n-octylphthalate	ND	1.5	91	102	11.4				19 - 132	69	
Fluoranthene	ND	1.5	86	97	12.0				43 - 121	66	
Fluorene	ND	1.5	82	93	12.6				70 - 120	38	
Hexachlorobenzene	ND	3.5	86	97	12.0				8 - 142	55	
Hexachlorobutadiene	ND	3.5	67	80	17.7				38 - 120	62	
Hexachlorocyclopentadiene	ND	3.5	34	35	2.9				10 - 130	20	
Hexachloroethane	ND	3.5	71	77	8.1				55 - 120	52	
Isophorone	ND	3.5	71	79	10.7				47 - 180	93	
Naphthalene	ND	1.5	76	82	7.6				36 - 120	65	
N-Nitrosodi-n-propylamine	ND	3.5	81	84	3.6				14 - 198	87	
N-Nitrosodiphenylamine	ND	3.5	65	73	11.6				10 - 130	20	
Pentachlorophenol	ND	3.5	68	73	7.1				38 - 152	86	
Phenol	ND	1.0	85	88	3.5				17 - 120	64	
Pyrene	ND	1.5	83	94	12.4				70 - 120	49	
Pyridine	ND	5.0	73	71	2.8				10 - 130	20	
% 2,4,6-Tribromophenol	87	%	95	107	11.9				15 - 130	20	
% 2-Fluorobiphenyl	67	%	74	83	11.5				30 - 130	20	
% 2-Fluorophenol	64	%	83	80	3.7				10 - 130	20	
% Nitrobenzene-d5	77	%	80	79	1.3				15 - 130	20	
% Phenol-d5	68	%	77	81	5.1				10 - 130	20	
% Terphenyl-d14	81	%	81	92	12.7				30 - 130	20	
QA/QC Batch 636512 (ug/L), QC Sample No: CL97891 (CL97069, CL97070)											
Volatiles											
1,1,1-Trichloroethane	ND	1.0	103	103	0.0	93	100	7.3	75 - 125	20	
1,1,2,2-Tetrachloroethane	ND	0.50	102	102	0.0	100	100	0.0	60 - 140	20	
1,1,2-Trichloroethane	ND	1.0	100	99	1.0	98	99	1.0	71 - 129	20	
1,1-Dichloroethane	ND	1.0	104	100	3.9	93	96	3.2	72 - 128	20	
1,1-Dichloroethene	ND	1.0	101	101	0.0	103	103	0.0	50 - 150	20	
1,2-Dichlorobenzene	ND	1.0	98	97	1.0	95	98	3.1	63 - 137	20	
1,2-Dichloroethane	ND	1.0	98	98	0.0	101	103	2.0	68 - 132	20	
1,2-Dichloropropane	ND	1.0	98	97	1.0	97	99	2.0	40 - 160	20	
1,3-Dichlorobenzene	ND	1.0	98	97	1.0	95	98	3.1	73 - 127	20	
1,4-Dichlorobenzene	ND	1.0	101	101	0.0	97	100	3.0	63 - 137	20	
Benzene	ND	0.70	101	100	1.0	99	103	4.0	64 - 136	20	
Bromodichloromethane	ND	0.50	100	100	0.0	97	101	4.0	65 - 135	20	
Bromoform	ND	1.0	106	108	1.9	96	101	5.1	71 - 129	20	
Bromomethane	ND	1.0	93	92	1.1	96	101	5.1	40 - 160	20	
Carbon Disulfide	ND	1.0	91	92	1.1	92	91	1.1	70 - 130	30	
Carbon tetrachloride	ND	1.0	100	100	0.0	84	93	10.2	73 - 127	20	
Chlorobenzene	ND	1.0	99	99	0.0	96	101	5.1	66 - 134	20	
Chloroethane	ND	1.0	97	99	2.0	104	103	1.0	40 - 160	20	
Chloroform	ND	1.0	98	99	1.0	97	100	3.0	67 - 133	20	

QA/QC Data

SDG I.D.: GCL97069

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chloromethane	ND	1.0	91	90	1.1	94	98	4.2	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	98	98	0.0	93	98	5.2	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	97	98	1.0	83	88	5.8	40 - 160	20
Dibromochloromethane	ND	0.50	104	105	1.0	98	105	6.9	67 - 133	20
Ethylbenzene	ND	1.0	102	102	0.0	100	105	4.9	59 - 141	20
m&p-Xylene	ND	1.0	102	100	2.0	102	105	2.9	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	101	105	3.9	100	101	1.0	70 - 130	30
Methylene chloride	ND	1.0	86	87	1.2	88	87	1.1	60 - 140	20
Naphthalene	ND	1.0	106	107	0.9	100	103	3.0	70 - 130	30
o-Xylene	ND	1.0	100	98	2.0	98	101	3.0	70 - 130	30
Tetrachloroethene	ND	1.0	98	97	1.0	93	95	2.1	73 - 127	20
Toluene	ND	1.0	101	99	2.0	98	101	3.0	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	98	100	2.0	97	99	2.0	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	98	99	1.0	77	83	7.5	50 - 150	20
Trichloroethene	ND	1.0	100	97	3.0	95	98	3.1	66 - 134	20
Trichlorofluoromethane	ND	1.0	105	104	1.0	107	110	2.8	48 - 152	20
Vinyl chloride	ND	1.0	101	101	0.0	105	108	2.8	40 - 160	20
% 1,2-dichlorobenzene-d4	99	%	100	100	0.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	99	%	100	100	0.0	100	101	1.0	70 - 130	30
% Dibromofluoromethane	97	%	100	98	2.0	94	94	0.0	70 - 130	30
% Toluene-d8	102	%	101	99	2.0	101	100	1.0	70 - 130	30

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
August 23, 2022

Tuesday, August 23, 2022

Criteria: NY: DEP EFF

State: NY

Sample Criteria Exceedances Report

GCL97069 - AMC-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

August 23, 2022 SDG I.D.: GCL97069

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

SVOA 625

CHEM19 08/08/22-1: CL97069, CL97070

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.087 (0.1), Hexachlorobenzene 0.093 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 4-Chloroaniline 31%H (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: 4-Chloroaniline 31%H (30%)

SVOASIM Narration

CHEM25 08/08/22-1: CL97069, CL97070

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

The following Continuing Calibration compounds did not meet % deviation criteria: % 2,4,6-Tribromophenol 35%H (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

August 23, 2022

SDG I.D.: GCL97069

The samples in this delivery group were received at 1.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

WCIP

Temp / Pg 1 of 1

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Data Delivery:
☐ Fax #: _____
☑ Emai ARIEL@AMC-ENGINEERING.COM

Customer:	AMC ENGINEERING PLLC	Project:	29-41 Wythe Ave, Brooklyn	Project P.O:	
Address:	18-36 42nd Street	Report to:	ARIEL CZEMERINSKI	Phone #:	718 545-0474
	Astoria NY 11105	Invoice to:	AMC ENGINEERING PLLC	Fax #:	516 706-3214

Client Sample - Information - Identification

Sampler's Signature _____ Date: 8/2/2022

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=oil
GW=groundwater **SL**=sludge **A**=air **X**=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Full DEP+DEC Parameters (see attached)	DEC Region 2 Parameters Only (see attached)	+	+	+	+	+	+	+	+	Soil VOA [ ] Methanol [X] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container (2) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [x] As is [x] H2SO4	PL As is [ ] 250ml [x] 500ml [x] 1000ml	PL HNO3 250ml	PL H2SO4 250ml			
97069	MW1**	GW	8/2/2022	8:00 AM	X													3	5	2	1	1			
97070	MW2	GW	8/2/2022	9:00 AM		X												3	4	2	1	1			

Relinquished by:	Accepted by:	Date:	Time:
		8-3-22	14:17
		8/3/22	1750

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
■ Standard
☐ Other 5 DAYS
* **SURCHARGE APPLIES**

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☐ NY375 Restricted
☐ DEP Dewatering Protocol

Data Format
☐ Phoenix Std Report
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

Comments, Special Requirements or Regulations:

pH: MW1 7.7 MW2 7.4 Temp = MW1 82.6 MW2 81.7

Note: **DO NOT ANALYZE OVERLAPPING PARAMETERS TWICE

Note: For Chromium: If outside of holding time, please test for Total chromium instead of Cr(IV)

State where samples were collected: NY

GCL 97089

NYSDEC Region 2 - Dewatering Project Sampling Information (Revised- 09/12/17)				
PROJECT NAME / ID #:				
#	**PARAMETER**	**TYPE**	**EPA METHOD**	**DETECTION**
1	pH	Grab	150.1	
2	Temperature	°F	After Pumping	
3	Oil & Grease	Grab	1664A or 1664B	
4	Total Suspended Solids	Grab	160.2	
5	Volatile Organic Compounds (VOC)	Grab	624	EPA MDL
6	Semi VOCs/ Base Neutral Compounds	Grab	625	EPA MDL
7	Nitrate/Nitrite	Grab	300 or 353.3	EPA MDL
8	Metals–Total and Dissolved (13 Priority Pollutant non-Hg Metals)	Grab	200.7 Rev 4.4 – Preferred Method 200.2, 200.8	EPA MDL
	Mercury- Total and Dissolved	Grab	1669 – Sampling Method 1631 – Analysis	EPA MDL
9	PCBs	Grab	608	EPA MDL

NOTES

- Well/Wellpoint samples are to be collected after development of the well by a licensed well driller duly registered in accordance with Section 15-1525 of the Environmental Conservation Law of the State of New York.
- Water samples collected from a test pit will only be accepted from projects where all dewatering is taking place via sumping from trenches.
- A minimum of two (2) raw samples must be collected in accordance with standards specified in 40 CFR Part 136. Samples should be collected from two (2) representative locations within the vicinity of the proposed excavation area. Location, depth [of monitoring well/wellpoint or test pit], and date of collection must be provided for each sample.
- The Department may require sampling from additional locations depending on the size of the proposed project area.
- Samples must be tested for each parameter using the EPA approved method listed above. If another method is used, the Department will not accept the results.
- The Department may require testing for additional parameters if the proposed dewatering site is suspected of being contaminated.
- All analyses must be performed by a laboratory certified by the NYS Department of Health.
- The Method Detection Limit (MDL) is the level at which the analytical procedure referenced is capable of determining with a 99% probability that the substance is present. This value is determined in distilled water with no interfering substances present.
- When collecting samples, temporary discharge must be contained on-site or disposed of off-site and must not cause or contribute to a contravention of surface or ground water quality standards.

PLEASE submit an electronic copy (CD with OCR searchable pdf) of all information including complete sampling data, test results and lab records (i.e. data sheets and chain of custodies) and TWO (2) hardcopies of the sampling summary report (along with required application materials) to:

Regional Permit Administrator
NYSDEC Division of Environmental Permits, Region 2
47-40 21st Street; Long Island City, New York 11101

GCL 97069

[redacted]

TABLE A: – 210 Greenpoint Avenue, Brooklyn
Sampling Event: 02/09/2022
LIMITATIONS FOR EFFLUENT TO ***SANITARY OR COMBINED*** SEWERS

Parameter[1]	Daily Limit	Sample Results	Units	Sample Type	Monthly Limit
Non-polar material[2]	50		mg/l	Instantaneous	---
pH	5-12		SU's	Instantaneous	---
Temperature	< 150		Degree F	Instantaneous	---
Flash Point	> 140		Degree F	Instantaneous	---
Cadmium	2 0.69		mg/l mg/l	Instantaneous Composite	--- ---
Chromium (VI)	5		mg/l	Instantaneous	---
Copper	5		mg/l	Instantaneous	---
Lead	2		mg/l	Instantaneous	---
Mercury	0.05		mg/l	Instantaneous	---
Nickel	3		mg/l	Instantaneous	---
Zinc	5		mg/l	Instantaneous	---
Benzene	134		ppb	Instantaneous	57
Carbontetrachloride	---		ppb	Composite	---
Chloroform	---		ppb	Composite	---
1,4 Dichlorobenzene	---		Ppb	Composite	---
Ethylbenzene	380		ppb	Instantaneous	142
MTBE (Methyl-Tert-Butyl-Ether)	50		ppb	Instantaneous	---
Naphthalene	47		ppb	Composite	19
Phenol	---		ppb	Composite	---
Tetrachloroethylene (Perc)	20		ppb	Instantaneous	---
Toluene	74		ppb	Instantaneous	28
1,2,4 Trichlorobenzene	---		ppb	Composite	---
1,1,1 Trichloroethane	---		ppb	Composite	---
Xylenes (Total)	74		ppb	Instantaneous	28
PCB's (Total)[3]	1		ppb	Composite	---
Total Suspended Solids (TSS)	350[4]		mg/l	Instantaneous	---
CBOD[5]	---		ppm	Composite	---
Chloride[5]	---		ppm	Instantaneous	---
Total Nitrogen[5]	---		Mg/L	Composite	---
Total Solids[5]	---		Mg/L	Instantaneous	---
Other					

1l All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 C.F.R. pt. 136. If 40 C.F.R. pt. 136 does not cover the pollutant in question, the handling, preservation, and analysis must be performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater." All analyses shall be performed using a detection level less than the lowest applicable regulatory discharge limit. If a parameter does not have a limit, then the detection level is defined as the least of the Practical Quantitation Limits identified in NYSDEC's Analytical Detectability and Quantitation Guidelines for Selected Environmental Parameters, December 1988

GCL 97069

[redacted]

2 Analysis for ***non-polar materials*** must be done by EPA method 1664 Rev. A. Non-Polar Material shall mean that portion of the oil and grease that is not eliminated from a solution containing N–Hexane, or any other extraction solvent the EPA shall prescribe, by silica gel absorption.

3 Analysis for PCB=s is required if ***both*** conditions listed below are met:
1) if proposed discharge ≥ 10,000 gpd;
2) if duration of a discharge > 10 days.
Analysis for PCB=s must be done by EPA method 608 with MDL=<65 ppt. PCB's (total) is the sum of PCB-1242 (Arochlor 1242), PCB-1254 (Arochlor 1254), PCB-1221 (Arochlor 1221), PCB-1232 (Arochlor 1232), PCB-1248 (Arochlor 1248), PCB-1260 (Arochlor 1260) and PCB-1016 (Arochlor 1016).

4 For discharge ≥ 10,000 gpd, the TSS limit is 350 mg/l. For discharge < 10,000gpd, the limit is determined on a case by case basis.

5 Analysis for Carbonaceous Biochemical Oxygen Demand (CBOD), Chloride, Total Solids and Total Nitrogen are required if proposed discharge ≥ 10,000 gpd.