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March 10, 2021

Robert Corcoran, P.E., DEC PM, bob.corcoran@dec.ny.gov
Richard Mustico, richard.mustico1@dec.ny.gov
Joseph Jones, joseph.jones@dec.ny.gov
Rosalie Rusinko, Esq., rosalie.rusinko@dec.ny.gov

NYSDEC

RE: C224203 Former Sterling Transformer - 510 Driggs Avenue
Off-Site GW Investigation Report

Dear Ms. Rusinko and Messrs. Corcoran, Mustico, and Jones,

This report summarizes the activities conducted during the February 19, 2021 sampling event of the off-site groundwater monitoring wells at the subject site, following the approved February 4, 2021 Work Plan.

Background
The site, known as the Former Sterling Transformer, located at 510 Driggs Avenue, Brooklyn, was entered into the Brownfield Program ((Site No. C224203) to allow for the cleanup of contamination and to redevelop the site into a new 6-story mixed use building. An unrestricted use was proposed for the property.

End point samples revealed that track 1 had been achieved. Given that dewatering activities were conducted as part of the remedy, the Department requested that onsite groundwater samples be obtained to assess the groundwater quality with respect to VOCs.

A round of groundwater samples was first obtained on October 2020, from three monitoring wells (MW-A, MW-B, and MW-C). Results yielded high concentration of PCE in MWB, which was located around the deepest excavation east of the elevator pit. It was suspected that the PCE was being retrieved from an unknown offsite source due to the aggressive dewatering efforts, and the fact that a deep well was located nearby this well.

The November 2020 yielded a lower concentration of PCE in MW-B, however an increase concentration in MW-C. Once again, this was attributed to the fact that the deep well withdrawal of groundwater had been reduced, and that the concentration of PCE was not reaching MW-B, but closer to MW-C.

The December 2020 sample revealed that PCE concentration at MW-A and MW-C had increased substantially, while MW-B was decreasing, which resulted in the affirmation that PCE was being brought from an offsite source by the perimeter well point system, and that the migration of PCE-tainted groundwater should stop once dewatering ceases at the site, in another 6 months. Location of these wells and results can be found in the attached Figure 1.

In January 15, 2021 during a telephone call between the Department, the Volunteer and its Consultant, the recent discovery of tetrachloroethylene (PCE) in on-site wells and the data trends summarized above were discussed. At the time, the Department requested that the Developer / Volunteer investigate the origin of the PCE by sampling offsite wells, under the assumption that the PCE was being drawn onsite by the ongoing dewatering activities. For this purpose, a Workplan was prepared and sent to the Department which described the proposed existing monitoring wells to be sampled. The plan was approved as submitted.

Sampling Event

Six groundwater monitoring wells, MW1, MW3, MW4, MW11 through MW13, were identified to be sampled. With the exception of MW3, the rest of the MWs were sampled. MW3 was dry (depth of well screen was above GW elevation.) A copy of the revised MW logs is attached to this report.

Prior to sampling, a synoptic round of depth-to-groundwater (DTW) measurements was obtained from the wells on February 19, 2021, to determine the water table elevation and to calculate the volume of standing water in the well. A groundwater elevation map, from the Feb 19, 2021 with depth to water readings, is provided in Figure 2.

On February 19, 2021, EBC personnel mobilized onsite to retrieve groundwater samples. Samples were collected from the monitoring wells using low-flow sampling techniques and were monitored continuously until parameters stabilized. A disposable polyethylene sampling bailer was used to purge and collect samples from each well location. Samples were collected directly into precleaned laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix Environmental Laboratories of Manchester, CT, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301).

Results:

MW12, located on the eastern sidewalk of Driggs Ave., resulted in 12 ppb of PCE. This was the highest concentration found among the sampled wells. MW1, located in the SE corner of the site, yielded 1.7 ppb. MW11, MW13, and MW4, all were below 1 ppb. Results are provided in Figure 2.

Proposed Actions

None of the sampled off-site monitoring wells reveal any significant PCE presence in concentrations that could be associated with an off-site source. The last available onsite PCE reading dates from December 2020. Dewatering has been continuously ongoing, and it may be likely that dewatering activities are contributing to the groundwater remediation. To prove this concept, we are planning to resample the onsite wells in the next few days.

If the onsite wells reveal that PCE is no longer present, we would have proven that dewatering, as a remedial measure, was successful. If PCE is persistent, we will sample off-site wells at an elevation deeper that the bottom of the secant wall, to establish an off-site source.

Attachments

Table: Depth to Water and PCE results
Figure 1: Onsite MWs – PCE results
Figure 2: Off Site Sampled MW wells with results
Lab Report
Revised Boring logs of the sampled existing MWs with current Depth to Water values

Respectfully submitted,

Ariel Czemerinski, PE
AMC Engineering, PLLC

Cc:
Sam Malik
Linda Shaw
Charles Sosik

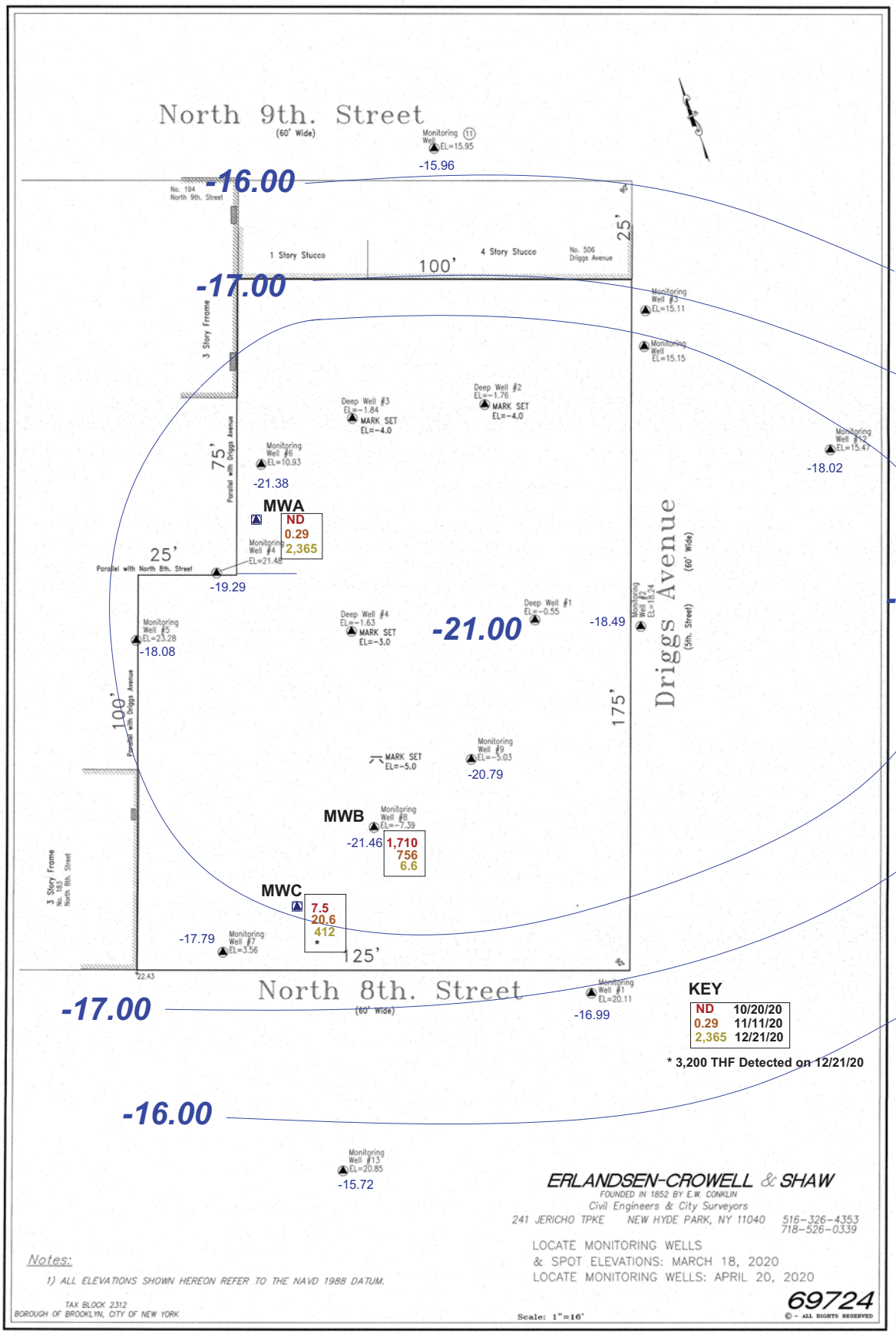
Tables

PCE Concentration

MW#	PCE
	(ug/L)
MW1	1.7
MW3	dry
MW4	0.41
MW11	<1.0
MW12	12
MW13	<0.1

Depths To Water

MW#	Casing Elev	Screen+Riser	Bottom Screen Elev	DTW (2/19)	GW Elev.
	(ft)	(ft)	(ft)	(ft)	(ft)
MW1	20.11	40	-19.89	32.12	-12.01
MW3	15.11	17	-1.89	dry	
MW4	21.48	40	-18.52	35.34	-13.86
MW11	15.95	40	-24.05	29.52	-13.57
MW12	15.47	40	-24.53	29.53	-14.06
MW13	20.85	40	-19.15	33.06	-12.21



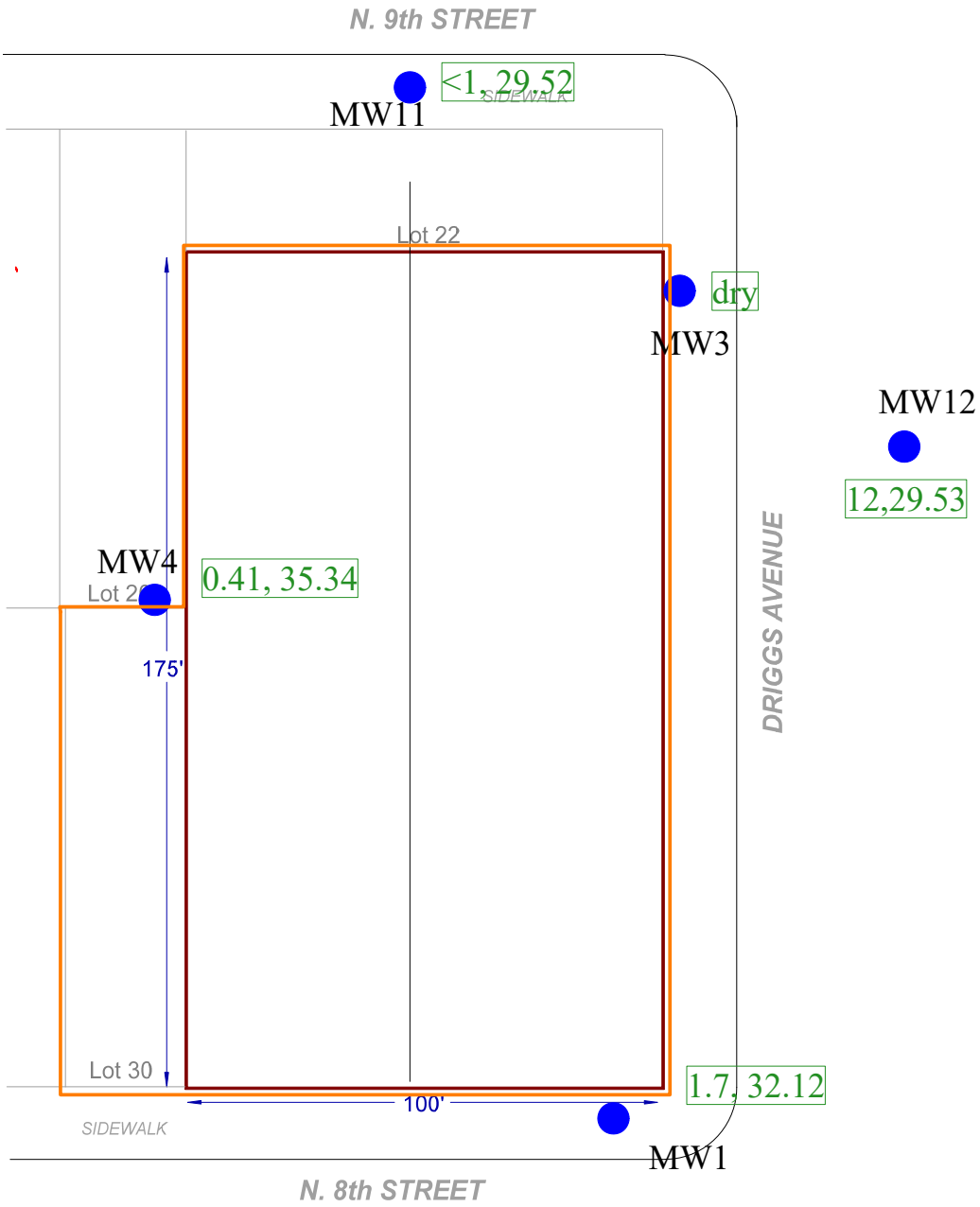
EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

Figure No. 1

Site Name: FORMER STERLING TRANSFORMER SITE

Site Address: 510 DRIGGS AVENUE, BROOKLYN, NY

Drawing Title: Onsite Wells Location and PCE results



KEY:

BCP Property Boundary

Sampled MW

PCE (ug/L), DTW(ft)

MW13 <1, 33.06

SCALE:

0 15 30

Scale: 1 inch = 30 feet

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631.924.2870

Figure No. 2

Site Name: FORMER STERLING TRANSFORMER CORP.

Site Address: 510 DRIGGS AVENUE, BROOKLYN, NY

Drawing Title: SITE PLAN - FEB 19, 2021 SAMPLED MWS

PHOENIX
Environmental Laboratories, Inc.

Friday, February 26, 2021

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: **510 DRIGGS AVE BROOKLYN NY**
SDG ID: **GCH66775**
Sample ID#s: CH66775 - CH66779

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.

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
UT Lab Registration #CT00007
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

February 26, 2021

SDG I.D.: GCH66775

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

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

Sample Id Cross Reference

February 26, 2021

SDG I.D.: GCH66775

Project ID: 510 DRIGGS AVE BROOKLYN NY

Client Id	Lab Id	Matrix
MW1	CH66775	GROUND WATER
MW4	CH66776	GROUND WATER
MW11	CH66777	GROUND WATER
MW12	CH66778	GROUND WATER
MW13	CH66779	GROUND WATER

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 26, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	DM	02/19/21	14:05
Location Code:	EBC	Received by:	B	02/23/21	14:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH66775
Phoenix ID: CH66775

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW1

Phoenix I.D.: CH66775

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chloroform	0.53	J	5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
cis-1,2-Dichloroethene	2.6		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	02/23/21	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	02/23/21	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	02/23/21	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	02/23/21	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Tetrachloroethene	1.7		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	02/23/21	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	
Trichloroethene	4.7		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	02/23/21	MH	70 - 130 %	
% Bromofluorobenzene	95				%	1	02/23/21	MH	70 - 130 %	
% Dibromofluoromethane	97				%	1	02/23/21	MH	70 - 130 %	

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW1

Phoenix I.D.: CH66775

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	97			%	1	02/23/21	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	02/23/21	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	02/23/21	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	02/23/21	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	02/23/21	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	02/23/21	MH	SW8260C

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.

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:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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
February 26, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

February 26, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	DM	02/19/21	13:40
Location Code:	EBC	Received by:	B	02/23/21	14:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH66775
Phoenix ID: CH66776

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW4

Phoenix I.D.: CH66776

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chloroform	1.4	J	5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
cis-1,2-Dichloroethene	1.9		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	02/23/21	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	02/23/21	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	02/23/21	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	02/23/21	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Tetrachloroethene	0.41	J	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	02/23/21	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	
Trichloroethene	1.8		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	103				%	1	02/23/21	MH	70 - 130 %	
% Bromofluorobenzene	96				%	1	02/23/21	MH	70 - 130 %	
% Dibromofluoromethane	99				%	1	02/23/21	MH	70 - 130 %	

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW4

Phoenix I.D.: CH66776

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96			%	1	02/23/21	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	02/23/21	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	02/23/21	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	02/23/21	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	02/23/21	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	02/23/21	MH	SW8260C

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.

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:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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
February 26, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

February 26, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	DM	02/19/21	10:15
Location Code:	EBC	Received by:	B	02/23/21	14:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH66775
Phoenix ID: CH66777

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW11

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	02/24/21	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	02/24/21	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	02/24/21	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	02/24/21	MH	SW8260C	

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW11

Phoenix I.D.: CH66777

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	02/24/21	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	02/24/21	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	02/24/21	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	02/24/21	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Carbon Disulfide	0.85	J	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
cis-1,2-Dichloroethene	5.8		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	02/24/21	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	02/24/21	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	02/24/21	MH	SW8260C	
Methyl t-butyl ether (MTBE)	0.40	J	1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	02/24/21	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	02/24/21	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	02/24/21	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	02/24/21	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	02/24/21	MH	SW8260C	
Trichloroethene	2.1		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	02/24/21	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	96				%	1	02/24/21	MH	70 - 130 %	
% Bromofluorobenzene	95				%	1	02/24/21	MH	70 - 130 %	
% Dibromofluoromethane	103				%	1	02/24/21	MH	70 - 130 %	

Ver 1

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW11

Phoenix I.D.: CH66777

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	95			%	1	02/24/21	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	02/24/21	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	02/24/21	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	02/24/21	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	02/24/21	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	02/24/21	MH	SW8260C

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.

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:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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Phyllis Shiller, Laboratory Director
February 26, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Ver 1

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

February 26, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	DM	02/19/21	10:50
Location Code:	EBC	Received by:	B	02/23/21	14:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH66775
Phoenix ID: CH66778

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW12

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	
2-Isopropyltoluene	0.28	J	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW12

Phoenix I.D.: CH66778

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
cis-1,2-Dichloroethene	6.7		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	02/23/21	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	02/23/21	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	
Methyl t-butyl ether (MTBE)	0.45	J	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	02/23/21	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	02/23/21	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
sec-Butylbenzene	0.45	J	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Tetrachloroethene	12		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
trans-1,2-Dichloroethene	1.3	J	5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	02/23/21	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	
Trichloroethene	3.9		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Vinyl chloride	0.48	J	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	99				%	1	02/23/21	MH	70 - 130 %	
% Bromofluorobenzene	95				%	1	02/23/21	MH	70 - 130 %	
% Dibromofluoromethane	95				%	1	02/23/21	MH	70 - 130 %	

Ver 1

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW12

Phoenix I.D.: CH66778

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96			%	1	02/23/21	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	02/23/21	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	02/23/21	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	02/23/21	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	02/23/21	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	02/23/21	MH	SW8260C

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.

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:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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
February 26, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

February 26, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	DM	02/19/21	9:45
Location Code:	EBC	Received by:	B	02/23/21	14:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH66775
Phoenix ID: CH66779

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW13

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	02/23/21	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW13

Phoenix I.D.: CH66779

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	2.6	JS	5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chloroform	0.28	J	5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
cis-1,2-Dichloroethene	0.53	J	1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	02/23/21	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	02/23/21	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	
Methyl t-butyl ether (MTBE)	17		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	02/23/21	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	02/23/21	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	02/23/21	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	02/23/21	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	02/23/21	MH	SW8260C	
Trichloroethene	1.4		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	02/23/21	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	02/23/21	MH	70 - 130 %	
% Bromofluorobenzene	95				%	1	02/23/21	MH	70 - 130 %	
% Dibromofluoromethane	95				%	1	02/23/21	MH	70 - 130 %	

Ver 1

Project ID: 510 DRIGGS AVE BROOKLYN NY
Client ID: MW13

Phoenix I.D.: CH66779

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96			%	1	02/23/21	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	02/23/21	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	02/23/21	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	02/23/21	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	02/23/21	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	02/23/21	MH	SW8260C

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.

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:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

S - Laboratory solvent, contamination is possible.

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.
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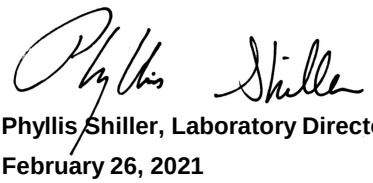

Phyllis Shiller, Laboratory Director
February 26, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

QA/QC Report

February 26, 2021

QA/QC Data

SDG I.D.: GCH66775

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 564453 (ug/L), QC Sample No: CH66537 (CH66775, CH66776, CH66778, CH66779)											
Volatiles - Ground Water											
1,1,1,2-Tetrachloroethane	ND	1.0	95	92	3.2				70 - 130	30	
1,1,1-Trichloroethane	ND	1.0	102	99	3.0				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	97	96	1.0				70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	95	93	2.1				70 - 130	30	
1,1-Dichloroethane	ND	1.0	99	96	3.1				70 - 130	30	
1,1-Dichloroethene	ND	1.0	106	102	3.8				70 - 130	30	
1,1-Dichloropropene	ND	1.0	100	95	5.1				70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	88	100	12.8				70 - 130	30	
1,2,3-Trichloropropane	ND	1.0	96	94	2.1				70 - 130	30	
1,2,4-Trichlorobenzene	ND	1.0	91	94	3.2				70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	97	94	3.1				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	1.0	83	85	2.4				70 - 130	30	
1,2-Dibromoethane	ND	1.0	94	92	2.2				70 - 130	30	
1,2-Dichlorobenzene	ND	1.0	97	96	1.0				70 - 130	30	
1,2-Dichloroethane	ND	1.0	97	96	1.0				70 - 130	30	
1,2-Dichloropropane	ND	1.0	95	93	2.1				70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	98	94	4.2				70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	97	94	3.1				70 - 130	30	
1,3-Dichloropropane	ND	1.0	97	94	3.1				70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	97	93	4.2				70 - 130	30	
1,4-dioxane	ND	100	62	99	46.0				70 - 130	30	I,r
2,2-Dichloropropane	ND	1.0	106	105	0.9				70 - 130	30	
2-Chlorotoluene	ND	1.0	100	96	4.1				70 - 130	30	
2-Hexanone	ND	5.0	96	95	1.0				70 - 130	30	
2-Isopropyltoluene	ND	1.0	103	99	4.0				70 - 130	30	
4-Chlorotoluene	ND	1.0	98	95	3.1				70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	100	97	3.0				70 - 130	30	
Acetone	ND	5.0	95	98	3.1				70 - 130	30	
Acrolein	ND	5.0	96	97	1.0				70 - 130	30	
Acrylonitrile	ND	5.0	95	95	0.0				70 - 130	30	
Benzene	ND	0.70	100	95	5.1				70 - 130	30	
Bromobenzene	ND	1.0	96	94	2.1				70 - 130	30	
Bromochloromethane	ND	1.0	97	95	2.1				70 - 130	30	
Bromodichloromethane	ND	0.50	94	92	2.2				70 - 130	30	
Bromoform	ND	1.0	86	85	1.2				70 - 130	30	
Bromomethane	ND	1.0	111	107	3.7				70 - 130	30	
Carbon Disulfide	ND	1.0	110	105	4.7				70 - 130	30	
Carbon tetrachloride	ND	1.0	104	100	3.9				70 - 130	30	
Chlorobenzene	ND	1.0	99	96	3.1				70 - 130	30	
Chloroethane	ND	1.0	100	95	5.1				70 - 130	30	
Chloroform	ND	1.0	96	93	3.2				70 - 130	30	

QA/QC Data

SDG I.D.: GCH66775

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chloromethane	ND	1.0	98	94	4.2				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	93	90	3.3				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	91	89	2.2				70 - 130	30
Dibromochloromethane	ND	0.50	96	94	2.1				70 - 130	30
Dibromomethane	ND	1.0	94	92	2.2				70 - 130	30
Dichlorodifluoromethane	ND	1.0	117	112	4.4				70 - 130	30
Ethylbenzene	ND	1.0	102	97	5.0				70 - 130	30
Hexachlorobutadiene	ND	0.40	98	102	4.0				70 - 130	30
Isopropylbenzene	ND	1.0	102	98	4.0				70 - 130	30
m&p-Xylene	ND	1.0	102	97	5.0				70 - 130	30
Methyl ethyl ketone	ND	5.0	101	97	4.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	106	103	2.9				70 - 130	30
Methylene chloride	ND	1.0	92	90	2.2				70 - 130	30
Naphthalene	ND	1.0	88	98	10.8				70 - 130	30
n-Butylbenzene	ND	1.0	103	100	3.0				70 - 130	30
n-Propylbenzene	ND	1.0	103	98	5.0				70 - 130	30
o-Xylene	ND	1.0	100	96	4.1				70 - 130	30
p-Isopropyltoluene	ND	1.0	102	98	4.0				70 - 130	30
sec-Butylbenzene	ND	1.0	108	105	2.8				70 - 130	30
Styrene	ND	1.0	96	93	3.2				70 - 130	30
tert-butyl alcohol	ND	10	90	102	12.5				70 - 130	30
tert-Butylbenzene	ND	1.0	102	98	4.0				70 - 130	30
Tetrachloroethene	ND	1.0	101	96	5.1				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	97	92	5.3				70 - 130	30
Toluene	ND	1.0	99	94	5.2				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	105	102	2.9				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	88	86	2.3				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	94	91	3.2				70 - 130	30
Trichloroethene	ND	1.0	98	95	3.1				70 - 130	30
Trichlorofluoromethane	ND	1.0	109	104	4.7				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	116	111	4.4				70 - 130	30
Vinyl chloride	ND	1.0	102	98	4.0				70 - 130	30
% 1,2-dichlorobenzene-d4	97	%	101	100	1.0				70 - 130	30
% Bromofluorobenzene	93	%	98	99	1.0				70 - 130	30
% Dibromofluoromethane	94	%	95	100	5.1				70 - 130	30
% Toluene-d8	96	%	99	99	0.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 564621 (ug/L), QC Sample No: CH67181 (CH66777)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	88	89	1.1				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	74	76	2.7				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	93	95	2.1				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	82	82	0.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	84	82	2.4				70 - 130	30
1,1-Dichloroethene	ND	1.0	75	75	0.0				70 - 130	30
1,1-Dichloropropene	ND	1.0	78	79	1.3				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	89	91	2.2				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	85	87	2.3				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	94	97	3.1				70 - 130	30

QA/QC Data

SDG I.D.: GCH66775

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2,4-Trimethylbenzene	ND	1.0	94	95	1.1				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	94	95	1.1				70 - 130	30
1,2-Dibromoethane	ND	1.0	88	90	2.2				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	93	94	1.1				70 - 130	30
1,2-Dichloroethane	ND	1.0	81	80	1.2				70 - 130	30
1,2-Dichloropropane	ND	1.0	85	85	0.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	93	93	0.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	91	94	3.2				70 - 130	30
1,3-Dichloropropane	ND	1.0	88	89	1.1				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	92	94	2.2				70 - 130	30
1,4-dioxane	ND	100	100	105	4.9				70 - 130	30
2,2-Dichloropropane	ND	1.0	91	92	1.1				70 - 130	30
2-Chlorotoluene	ND	1.0	95	97	2.1				70 - 130	30
2-Hexanone	ND	5.0	96	95	1.0				70 - 130	30
2-Isopropyltoluene	ND	1.0	100	100	0.0				70 - 130	30
4-Chlorotoluene	ND	1.0	95	95	0.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	90	91	1.1				70 - 130	30
Acetone	ND	5.0	82	85	3.6				70 - 130	30
Acrolein	ND	5.0	82	79	3.7				70 - 130	30
Acrylonitrile	ND	5.0	82	87	5.9				70 - 130	30
Benzene	ND	0.70	85	86	1.2				70 - 130	30
Bromobenzene	ND	1.0	94	96	2.1				70 - 130	30
Bromochloromethane	ND	1.0	81	82	1.2				70 - 130	30
Bromodichloromethane	ND	0.50	84	83	1.2				70 - 130	30
Bromoform	ND	1.0	84	87	3.5				70 - 130	30
Bromomethane	ND	1.0	79	80	1.3				70 - 130	30
Carbon Disulfide	ND	1.0	82	82	0.0				70 - 130	30
Carbon tetrachloride	ND	1.0	75	75	0.0				70 - 130	30
Chlorobenzene	ND	1.0	89	90	1.1				70 - 130	30
Chloroethane	ND	1.0	75	75	0.0				70 - 130	30
Chloroform	ND	1.0	79	80	1.3				70 - 130	30
Chloromethane	ND	1.0	74	75	1.3				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	80	80	0.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	88	88	0.0				70 - 130	30
Dibromochloromethane	ND	0.50	93	94	1.1				70 - 130	30
Dibromomethane	ND	1.0	83	83	0.0				70 - 130	30
Dichlorodifluoromethane	ND	1.0	66	67	1.5				70 - 130	30
Ethylbenzene	ND	1.0	90	91	1.1				70 - 130	30
Hexachlorobutadiene	ND	0.40	99	100	1.0				70 - 130	30
Isopropylbenzene	ND	1.0	97	97	0.0				70 - 130	30
m&p-Xylene	ND	1.0	90	91	1.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	92	86	6.7				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	85	90	5.7				70 - 130	30
Methylene chloride	ND	1.0	74	76	2.7				70 - 130	30
Naphthalene	ND	1.0	98	105	6.9				70 - 130	30
n-Butylbenzene	ND	1.0	98	98	0.0				70 - 130	30
n-Propylbenzene	ND	1.0	95	96	1.0				70 - 130	30
o-Xylene	ND	1.0	95	96	1.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	97	98	1.0				70 - 130	30
sec-Butylbenzene	ND	1.0	97	99	2.0				70 - 130	30
Styrene	ND	1.0	90	91	1.1				70 - 130	30
tert-butyl alcohol	ND	10	85	89	4.6				70 - 130	30
tert-Butylbenzene	ND	1.0	96	98	2.1				70 - 130	30

QA/QC Data

SDG I.D.: GCH66775

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Tetrachloroethene	ND	1.0	82	82	0.0				70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	70	76	8.2				70 - 130	30	
Toluene	ND	1.0	86	86	0.0				70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	85	84	1.2				70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	85	84	1.2				70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	104	104	0.0				70 - 130	30	
Trichloroethene	ND	1.0	83	83	0.0				70 - 130	30	
Trichlorofluoromethane	ND	1.0	65	66	1.5				70 - 130	30	l
Trichlorotrifluoroethane	ND	1.0	71	72	1.4				70 - 130	30	
Vinyl chloride	ND	1.0	76	74	2.7				70 - 130	30	
% 1,2-dichlorobenzene-d4	98	%	102	102	0.0				70 - 130	30	
% Bromofluorobenzene	97	%	97	98	1.0				70 - 130	30	
% Dibromofluoromethane	108	%	95	99	4.1				70 - 130	30	
% Toluene-d8	92	%	101	100	1.0				70 - 130	30	

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

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
February 26, 2021

Friday, February 26, 2021

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCH66775 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CH66775	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CH66775	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CH66775	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CH66776	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CH66776	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CH66776	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CH66777	$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	5.8	1.0	5	5	ug/L
CH66777	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CH66777	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CH66777	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CH66778	$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	12	1.0	5	5	ug/L
CH66778	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CH66778	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CH66778	$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	6.7	1.0	5	5	ug/L
CH66778	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	12	1.0	5	5	ug/L
CH66778	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CH66779	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CH66779	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CH66779	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

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

February 26, 2021 SDG I.D.: GCH66775

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

VOA Narration

CHEM02 02/23/21-2: CH66775, CH66776, CH66778, CH66779

Chem02 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.078 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 1,4-dioxane 35%L (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM17 02/24/21-1: CH66777

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet RSD% criteria: 1,2,3-Trichloropropane 21% (20%), Methylene chloride 21% (20%), Tetrahydrofuran (THF) 21% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.045 (0.05), 2-Hexanone 0.059 (0.1), 4-Methyl-2-pentanone 0.088 (0.1), Acetone 0.039 (0.1), Acrolein 0.030 (0.05), Bromoform 0.095 (0.1), Methyl ethyl ketone 0.060 (0.1), Tetrahydrofuran (THF) 0.043 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.045 (0.05), Acetone 0.039 (0.05), Acrolein 0.030 (0.05), Tetrahydrofuran (THF) 0.043 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.045 (0.05), Acetone 0.032 (0.05), Acrolein 0.026 (0.05), Tetrahydrofuran (THF) 0.035 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.045 (0.05), Acetone 0.039 (0.05), Acrolein 0.030 (0.05), Tetrahydrofuran (THF) 0.043 (0.05)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

February 26, 2021

SDG I.D.: GCH66775

The samples in this delivery group were received at 1.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]
Temp 1.1 °C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Phone:
[ ] Fax:
[X] Email: File

Customer: EBC
Address: 1808 Middle Country Rd
Ridge NY 11961

Project: 510 Driggs Ave Brooklyn NY
Report to: EBC
Invoice to: EBC
QUOTE # :

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Derek Merker Date: 2/19/21

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL NaOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
L0L0775	MW1	GW	2/19/21	14:05	X				3								
L0L0776	MW 4	GW	↓	13:40	X				3								
L0L0777	MW 11	GW		10:15	X				3								
L0L0778	MW 12	GW		10:50	X				3								
L0L0779	MW 13	GW		9:45	X				3								

Relinquished by:	Accepted by:	Date:	Time:
Derek Merker		2-23-21	9:54
		2/23/21	1415

Comments, Special Requirements or Regulations:

Data Format:
[ ] Phoenix Std Report [ ] EQuIS
[X] Excel [ ] NJ Hazsite EDD
[X] PDF [ ] NY EZ EDD (ASP)
[ ] GIS/Key [ ] Other

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] Impact to GW soil screen Criteria
[ ] GW Criteria

Data Package:
[ ] NJ Reduced Deliv. *
[ ] Other
[ ] NY Enhanced (ASP B) *

NY
[X] TOGS GW
[ ] CP-51 SOIL
[ ] 375SCO Unrestricted Soil
[ ] 375SCO Residential Soil
[ ] 375SCO Residential Restricted Soil
[ ] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

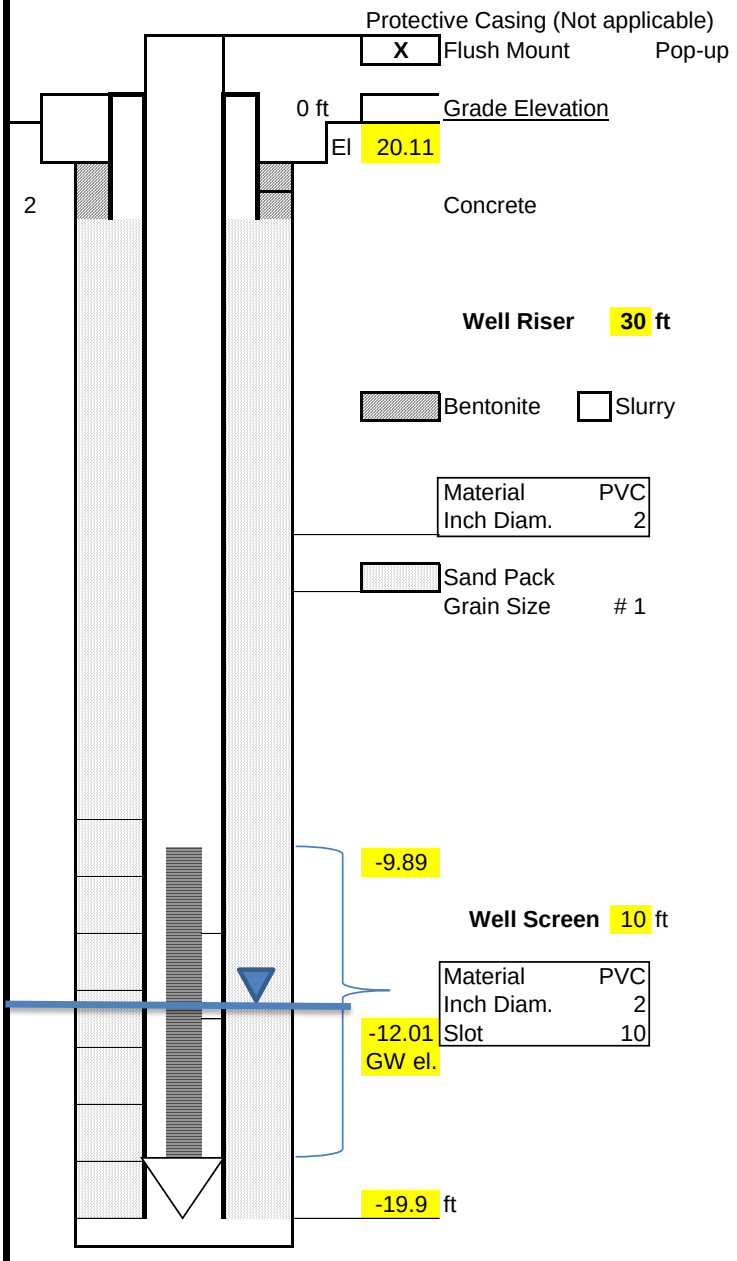
PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected? NY

AMC Engineering PLLC

MONITORING WELL

CONSTRUCTION LOG MW1



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **MW1**

Project Name: 510 Driggs Avenue

Project Location: 510 Driggs Avenue

Well Location: N8th and Driggs - NW corner

Depth to Groundwater: 32.12 Date: 2/19/2021
As measured from top of casing

Installation Depth: 40 ft

Grade Elevation 20.11 ft

Installation Date:

Drilling Contractor: ECS

Driller's Name:

Installation Method:

Engineer

Company Name:

Soil Characteristics Not surveyed

Notes:

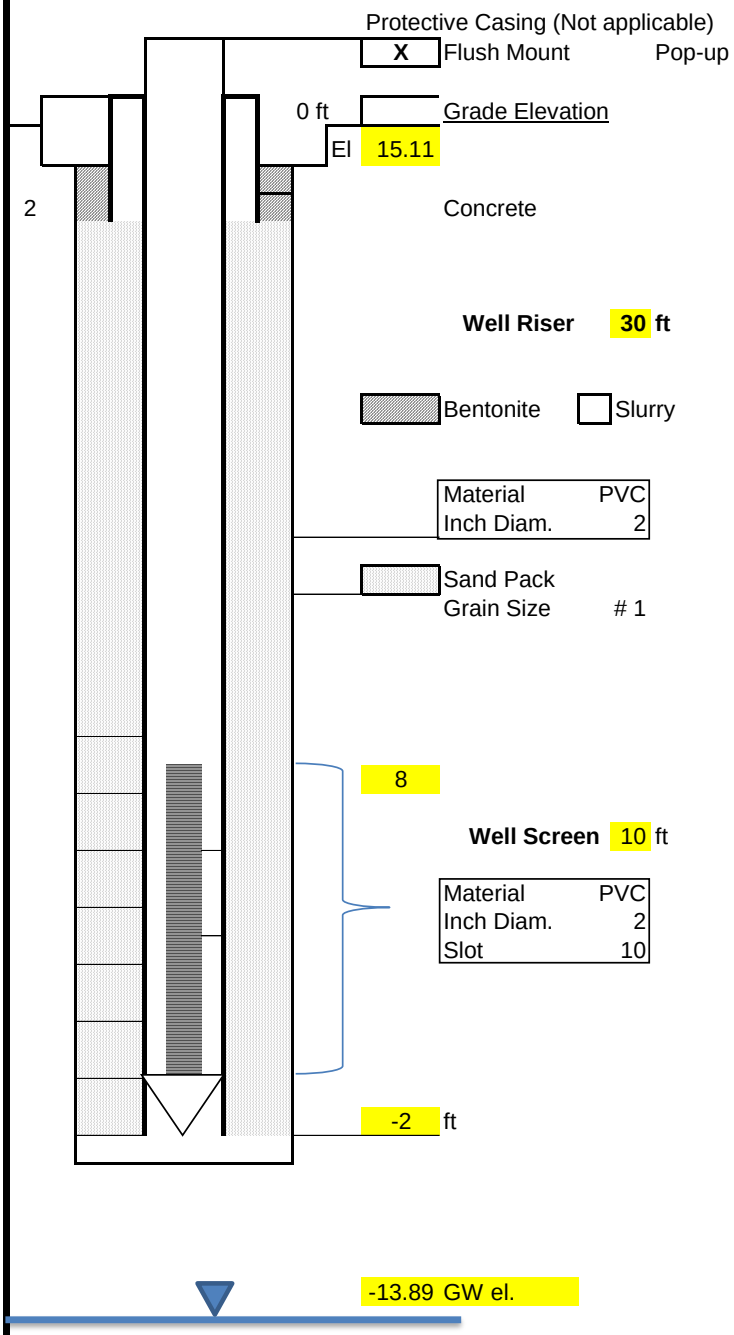
4-inch diameter hole drilled

*Sidewalk locations were scanned with Ground Penetration Radar to avoid conflicts with utilities

AMC Engineering PLLC

MONITORING WELL

CONSTRUCTION LOG MW3



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **MW3**

Project Name: 510 Driggs Avenue

Project Location: 510 Driggs Avenue

Well Location: N8th and Driggs - NW corner

Depth to Groundwater: 29 Date: Assumed
As measured from top of casing

Installation Depth: 17.11 ft

Grade Elevation 15.11 ft

Installation Date:

Drilling Contractor: ECS

Driller's Name:

Installation Method:
Engineer

Company Name:

Soil Characteristics Not surveyed

Notes:

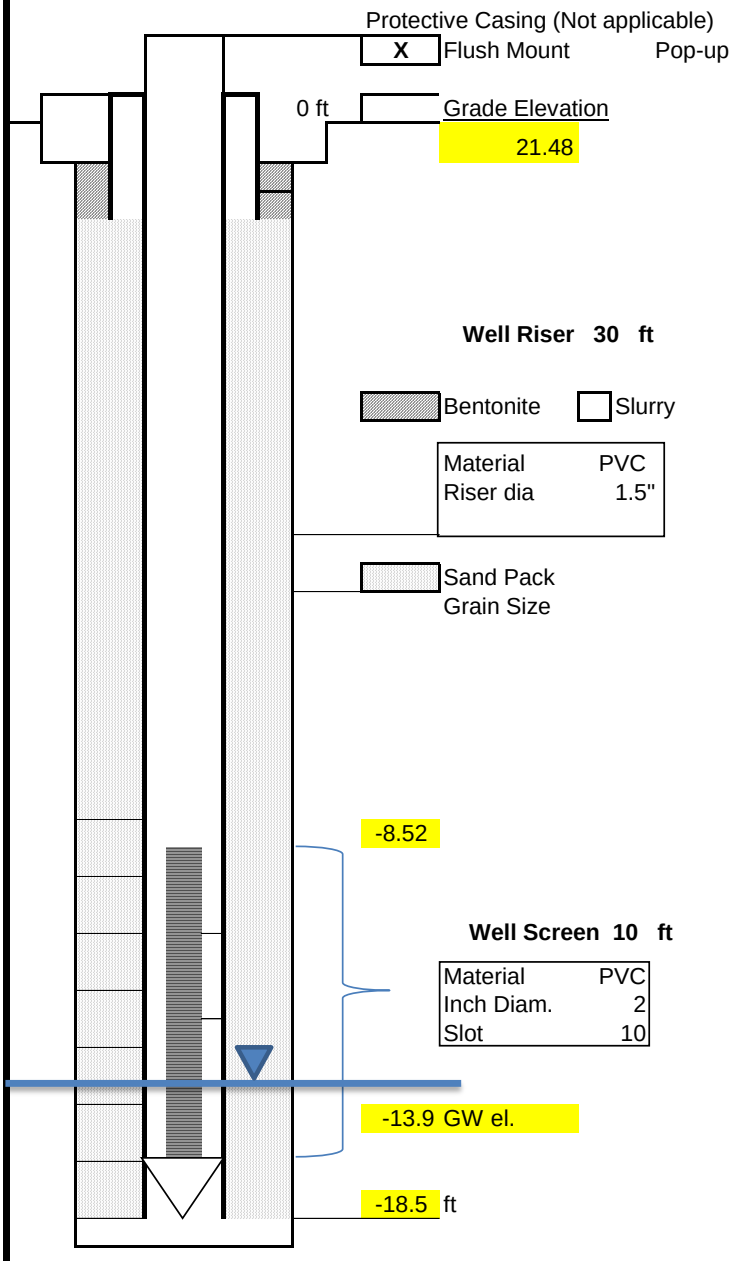
4-inch diameter hole drilled

*Sidewalk locations were scanned with Ground Penetration Radar to avoid conflicts with utilities

AMC Engineering PLLC

MONITORING WELL

CONSTRUCTION LOG MW4



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **MW4**

Project Name: 510 Driggs Avenue

Project Location: 510 Driggs Avenue

Well Location: West side of property on Lot 20 rear yard

Depth to Groundwater: 35.34 ft Date: 2/19/2021
As measured from top of casing
Installation Depth: 40 ft

Grade Elevation 21.48

Installation Date: 2019

Drilling Contractor: ECS

Driller's Name:

Installation Method:

Engineer

Company Name:

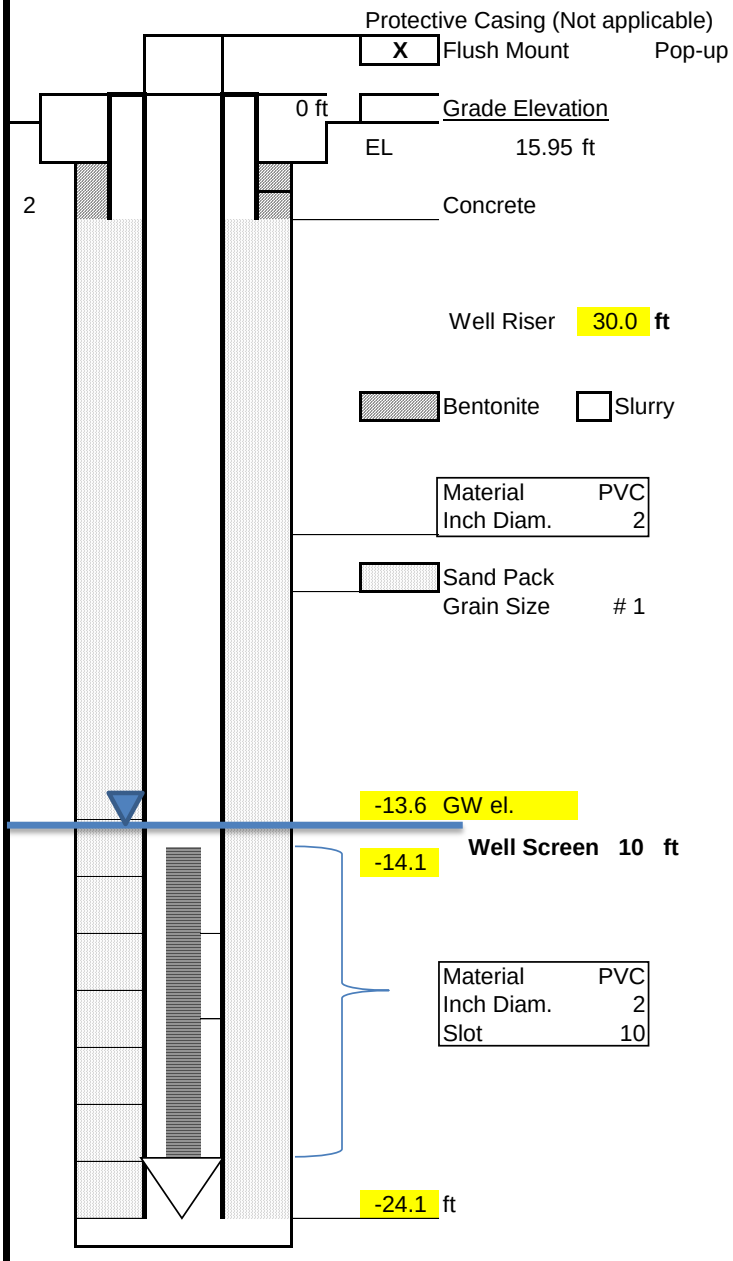
Soil Characteristics Not surveyed

Notes:

AMC Engineering PLLC

MONITORING WELL

CONSTRUCTION LOG MW11



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **MW11**

Project Name: 510 Driggs Avenue

Project Location: 510 Driggs Avenue

Well Location: Sidewalk along south side along North 9th St

Depth to Groundwater: 29.52 Date: 2/19/2021
As measured from top of casing
Installation Depth: 40 ft

Grade Elevation EL. +15.95'

Installation Date: 3/17/2020

Drilling Contractor: Ancora Engineering

Driller's Name: Richard Adomako

Installation Method: See Notes

Engineer Gregrory Moormann

Company Name: Ancora Engineering

Soil Characteristics Not surveyed

Notes:

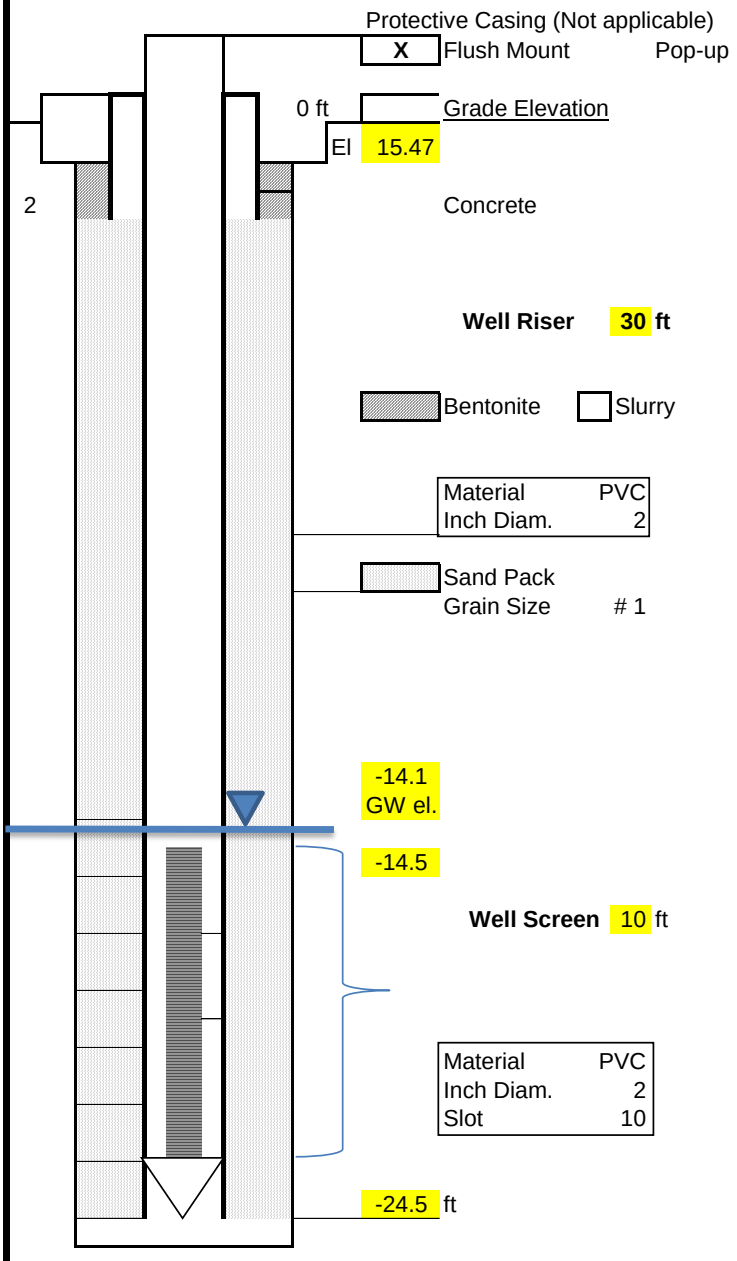
4-inch diameter hole drilled

*Sidewalk locations were scanned with Ground Penetration Radar to avoid conflicts with utilities

AMC Engineering PLLC

MONITORING WELL

CONSTRUCTION LOG MW12



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **MW12**

Project Name: 510 Driggs Avenue

Project Location: 510 Driggs Avenue

Well Location: Sidewalk along east side of Driggs Ave

Depth to Groundwater: 29.53 Date: 2/19/2021
As measured from top of casing
Installation Depth: 40 ft

Grade Elevation 15.47 ft

Installation Date: 3/17/2020

Drilling Contractor: Ancora Engineering

Driller's Name: Richard Adomako

Installation Method: See Notes

Engineer Gregrory Moormann

Company Name: Ancora Engineering

Soil Characteristics Not surveyed

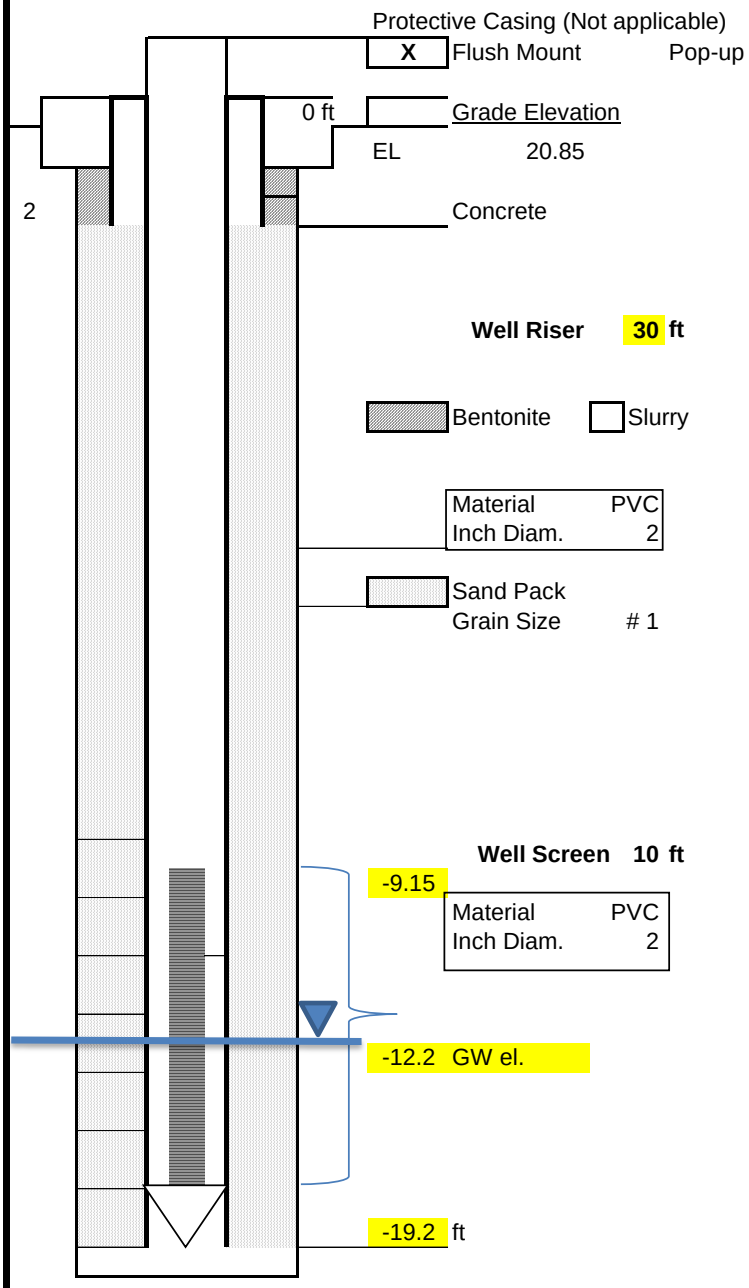
Notes: The drilling location deviated from the proposed location due to the presence of underground utilities and pedestrian requirements
Water level readings were taken at 1:25PM (29.25 ft)
Well was installed along Driggs Ave (10:45-11:30AM)

4-inch diameter hole drilled
*Sidewalk locations were scanned with Ground Penetration Radar to avoid conflicts with utilities

AMC Engineering PLLC

MONITORING WELL

CONSTRUCTION LOG MW 13



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **MW13**

Project Name: 510 Driggs Avenue

Project Location: 510 Driggs Avenue

Well Location: Sidewalk along south side of North 8th St

Depth to Groundwater: 33.06 Date: 2/19/2021
As measured from top of casing
Installation Depth: 40 ft

Grade Elevation EL 20.85 ft

Installation Date: 3/16/2020

Drilling Contractor: Ancora Engineering

Driller's Name: Richard Adomako

Installation Method: See Notes

Engineer Gregrory Moormann

Company Name: Ancora Engineering

Soil Characteristics Not surveyed

Notes: The drilling location deviated from the proposed location due to the presence of underground utilities and pedestrian requirements
Well was installed along N 8th St (11:10AM - 12:58PM)

4-inch diameter hole drilled

*Sidewalk locations were scanned with Ground Penetration Radar to avoid conflicts with utilities