MONTHLY REPORT FOR DECEMBER 2020

SITE NAME: 146 Bayard Street
SITE ADDRESS: 146 Bayard Street, Brooklyn NY
NYSDEC SITE NUMBER: C224294
REPORTING PERIOD: December 2020

REMEDIAL ACTIONS DURING THE REPORTING PERIOD

Excavation performed across the site
Loaded 72 trucks with soil for transport to Palmerton facility
Continued installation of shoring
Operation of dewatering system
Endpoint sample collection at EP1, EP2, EP4 and EP5 locations

ANTICIPATED ACTIVITIES FOR THE NEXT REPORTING PERIOD

Continue operation of dewatering system
Continue remedial excavation and off-site disposal of soil/fill
Continue installation of shoring
Collect endpoint soil samples

SAMPLING RESULTS, TESTS AND OTHER DATA

Endpoint samples EP1, EP2, EP4 and EP5 were collected during this reporting period and are attached to the report

ESTIMATED PERCENTAGE OF PROJECT COMPLETION

35%

UNRESOLVED DELAYS ENCOUNTERED

The site was closed from 12.24 through 1.3 due to soil approval for Palmerton reaching capacity.

EFFORTS MADE TO MITIGATE DELAYS

Additional Waste Class samples collected on 12.21.2020. Approval for remaining soil to Palmerton received on 12.30

CITIZEN PARTICIPATION ACTIVITIES FOR REPORTING PERIOD

N/A

ANTICIPATED CITIZEN PARTICIPATION ACTIVITIES FOR NEXT REPORTING PERIOD

None.

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

PHOENIX
Environmental Laboratories, Inc.

Friday, January 08, 2021

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

Project ID: **146 BAYARD ST BROOKLYN NY**
SDG ID: **GCH37237**
Sample ID#s: CH37237 - CH37240

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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
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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Environmental Business Consultants

Project: 146 BAYARD ST BROOKLYN NY

Laboratory Project: GCH37237

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NY Analytical Services Protocol Format

January 08, 2021 **SDG I.D.: GCH37237**

Environmental Business Consultants 146 BAYARD ST BROOKLYN NY

Methodology Summary

Accelerated Solvent Extraction (ASE)

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 3545A.

Mercury Prep

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 7471B.

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010D.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471B

Pesticides:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8081B.

Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

Semi-volatiles analysis

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D (SIM - selective ion monitoring mode).

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

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NY Analytical Services Protocol Format

January 08, 2021 **SDG I.D.: GCH37237**

Environmental Business Consultants 146 BAYARD ST BROOKLYN NY

Laboratory Chronicle

The samples in this delivery group were received at 1.8°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CH37237	1,4-Dioxane	12/22/20	12/23/20	12/24/20	WB	Y
CH37237	1,4-dioxane	12/22/20	12/24/20	12/24/20	JLI	Y
CH37237	Aluminum	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Antimony	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Arsenic	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Barium	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Beryllium	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Cadmium	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Calcium	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Chromium	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Cobalt	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Copper	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Field Extraction	12/22/20	12/22/20	12/22/20		Y
CH37237	Iron	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Lead	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Magnesium	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Manganese	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Mercury	12/22/20	12/24/20	12/24/20	MGH	Y
CH37237	Nickel	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Percent Solid	12/22/20	12/23/20	12/23/20	CAJ	Y
CH37237	Pesticides - Soil	12/22/20	12/23/20	12/24/20	AW	Y
CH37237	Polychlorinated Biphenyls	12/22/20	12/23/20	12/24/20	AW	Y
CH37237	Potassium	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Selenium	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Semivolatiles	12/22/20	12/23/20	12/24/20	WB	Y
CH37237	Silver	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Sodium	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Thallium	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Vanadium	12/22/20	12/23/20	12/24/20	TH	Y
CH37237	Volatiles	12/22/20	12/24/20	12/24/20	JLI	Y
CH37237	Volatiles	12/22/20	12/24/20	12/24/20	JLI	Y
CH37237	Zinc	12/22/20	12/23/20	12/24/20	TH	Y

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NY Analytical Services Protocol Format

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Environmental Business Consultants 146 BAYARD ST BROOKLYN NY

CH37238	1,4-Dioxane	12/22/20	12/23/20	12/24/20	WB	Y
CH37238	1,4-dioxane	12/22/20	12/24/20	12/24/20	JLI	Y
CH37238	Aluminum	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Antimony	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Arsenic	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Barium	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Beryllium	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Cadmium	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Calcium	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Chromium	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Cobalt	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Copper	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Field Extraction	12/22/20	12/22/20	12/22/20		Y
CH37238	Iron	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Lead	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Magnesium	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Manganese	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Mercury	12/22/20	12/24/20	12/24/20	MGH	Y
CH37238	Nickel	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Percent Solid	12/22/20	12/23/20	12/23/20	CAJ	Y
CH37238	Pesticides - Soil	12/22/20	12/23/20	12/24/20	AW	Y
CH37238	Polychlorinated Biphenyls	12/22/20	12/23/20	12/24/20	AW	Y
CH37238	Potassium	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Selenium	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Semivolatiles	12/22/20	12/23/20	12/24/20	WB	Y
CH37238	Silver	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Sodium	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Thallium	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Vanadium	12/22/20	12/23/20	12/24/20	TH	Y
CH37238	Volatiles	12/22/20	12/24/20	12/24/20	JLI	Y
CH37238	Volatiles	12/22/20	12/24/20	12/24/20	JLI	Y
CH37238	Zinc	12/22/20	12/23/20	12/24/20	TH	Y
CH37239	1,4-dioxane	12/22/20	12/24/20	12/24/20	JLI	Y
CH37239	Field Extraction	12/22/20	12/22/20	12/22/20		Y
CH37239	Volatiles	12/22/20	12/24/20	12/24/20	JLI	Y
CH37239	Volatiles	12/22/20	12/24/20	12/24/20	JLI	Y
CH37240	1,4-dioxane	12/22/20	12/23/20	12/23/20	JLI	Y

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NY Analytical Services Protocol Format

January 08, 2021 **SDG I.D.: GCH37237**

Environmental Business Consultants 146 BAYARD ST BROOKLYN NY

CH37240	Field Extraction	12/22/20	12/22/20	12/22/20		Y
CH37240	Volatiles	12/22/20	12/23/20	12/23/20	JLI	Y
CH37240	Volatiles	12/22/20	12/23/20	12/23/20	JLI	Y

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NY # 11301

SDG Comments

January 08, 2021

SDG I.D.: GCH37237

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

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Sample Id Cross Reference

January 08, 2021

SDG I.D.: GCH37237

Project ID: 146 BAYARD ST BROOKLYN NY

Client Id	Lab Id	Matrix
EP1	CH37237	SOIL
EP2	CH37238	SOIL
TRIP BLANK HL	CH37239	SOIL
TRIP BLANK LL	CH37240	SOIL

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Analysis Report

January 08, 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:	SOIL	Collected by:	JG	12/22/20	12:00
Location Code:	EBC	Received by:	SW	12/23/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH37237
Phoenix ID: CH37237

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP1

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND		0.48	0.48	mg/Kg	1	12/24/20	TH	SW6010D
Aluminum	6160		48	9.5	mg/Kg	10	12/24/20	TH	SW6010D
Arsenic	1.62		0.95	0.95	mg/Kg	1	12/24/20	TH	SW6010D
Barium	46.3		1.0	0.48	mg/Kg	1	12/24/20	TH	SW6010D
Beryllium	0.29	J	0.38	0.19	mg/Kg	1	12/24/20	TH	SW6010D
Calcium	1400		4.8	4.4	mg/Kg	1	12/24/20	TH	SW6010D
Cadmium	0.86		0.48	0.48	mg/Kg	1	12/24/20	TH	SW6010D
Cobalt	9.83		0.48	0.48	mg/Kg	1	12/24/20	TH	SW6010D
Chromium	18.2		0.48	0.48	mg/Kg	1	12/24/20	TH	SW6010D
Copper	16.1		1.0	0.48	mg/kg	1	12/24/20	TH	SW6010D
Iron	22400		48	48	mg/Kg	10	12/24/20	TH	SW6010D
Mercury	ND		0.04	0.02	mg/Kg	2	12/24/20	MGH	SW7471B
Potassium	1140		10	3.7	mg/Kg	1	12/24/20	TH	SW6010D
Magnesium	2020		4.8	4.8	mg/Kg	1	12/24/20	TH	SW6010D
Manganese	294		4.8	4.8	mg/Kg	10	12/24/20	TH	SW6010D
Sodium	172	N	10	4.1	mg/Kg	1	12/24/20	TH	SW6010D
Nickel	12.6		0.48	0.48	mg/Kg	1	12/24/20	TH	SW6010D
Lead	6.8		1.0	0.48	mg/Kg	1	12/24/20	TH	SW6010D
Antimony	ND		9.3	9.3	mg/Kg	1	12/24/20	TH	SW6010D
Selenium	ND		1.9	1.6	mg/Kg	1	12/24/20	TH	SW6010D
Thallium	ND		1.9	1.9	mg/Kg	1	12/24/20	TH	SW6010D
Vanadium	27.2		0.48	0.48	mg/Kg	1	12/24/20	TH	SW6010D
Zinc	45.2		1.0	0.48	mg/Kg	1	12/24/20	TH	SW6010D
Percent Solid	74				%		12/23/20	CAJ	SW846-%Solid
Extraction for SVOA SIM	Completed						12/23/20	K/E	SW3545A
Soil Extraction for PCB	Completed						12/23/20	K/E	SW3545A
Soil Extraction for Pesticides	Completed						12/23/20	K/E	SW3545A
Mercury Digestion	Completed						12/24/20	ARW	SW7471B

Ver 2

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP1

Phoenix I.D.: CH37237

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for SVOA	Completed					12/23/20	R/M	SW3546
Total Metals Digest	Completed					12/23/20	B/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1221	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1232	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1242	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1248	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1254	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1260	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1262	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1268	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
QA/QC Surrogates								
% DCBP	69			%	2	12/24/20	AW	30 - 150 %
% DCBP (Confirmation)	72			%	2	12/24/20	AW	30 - 150 %
% TCMX	69			%	2	12/24/20	AW	30 - 150 %
% TCMX (Confirmation)	68			%	2	12/24/20	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.6	2.6	ug/Kg	2	12/24/20	AW	SW8081B
4,4' -DDE	ND	2.6	2.6	ug/Kg	2	12/24/20	AW	SW8081B
4,4' -DDT	ND	2.6	2.6	ug/Kg	2	12/24/20	AW	SW8081B
a-BHC	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
a-Chlordane	ND	4.4	4.4	ug/Kg	2	12/24/20	AW	SW8081B
Aldrin	ND	4.4	4.4	ug/Kg	2	12/24/20	AW	SW8081B
b-BHC	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Chlordane	ND	44	44	ug/Kg	2	12/24/20	AW	SW8081B
d-BHC	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Dieldrin	ND	4.4	4.4	ug/Kg	2	12/24/20	AW	SW8081B
Endosulfan I	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Endosulfan II	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Endosulfan sulfate	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Endrin	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Endrin aldehyde	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Endrin ketone	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
g-BHC	ND	1.8	1.8	ug/Kg	2	12/24/20	AW	SW8081B
g-Chlordane	ND	4.4	4.4	ug/Kg	2	12/24/20	AW	SW8081B
Heptachlor	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Heptachlor epoxide	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Methoxychlor	ND	44	44	ug/Kg	2	12/24/20	AW	SW8081B
Toxaphene	ND	180	180	ug/Kg	2	12/24/20	AW	SW8081B
QA/QC Surrogates								
% DCBP	65			%	2	12/24/20	AW	30 - 150 %
% DCBP (Confirmation)	63			%	2	12/24/20	AW	30 - 150 %
% TCMX	56			%	2	12/24/20	AW	30 - 150 %
% TCMX (Confirmation)	56			%	2	12/24/20	AW	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP1

Phoenix I.D.: CH37237

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1,1-Trichloroethane	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dibromoethane	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Hexanone	ND	29	5.7	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	29	5.7	ug/Kg	1	12/24/20	JLI	SW8260C	
Acetone	ND	29	5.7	ug/Kg	1	12/24/20	JLI	SW8260C	
Acrylonitrile	ND	11	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Benzene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromobenzene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromochloromethane	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromodichloromethane	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromoform	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromomethane	ND	5.7	2.3	ug/Kg	1	12/24/20	JLI	SW8260C	
Carbon Disulfide	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Carbon tetrachloride	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Chlorobenzene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloroethane	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloroform	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloromethane	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
Dibromochloromethane	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Dibromomethane	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Dichlorodifluoromethane	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
Ethylbenzene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
Hexachlorobutadiene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
Isopropylbenzene	ND	5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C	
m&p-Xylene	ND	5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Methyl Ethyl Ketone	ND	34	5.7	ug/Kg	1	12/24/20	JLI	SW8260C	

Project ID: 146 BAYARD ST BROOKLYN NY
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Phoenix I.D.: CH37237

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	1.6	J	11	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
Methylene chloride	ND		5.7	5.7	ug/Kg	1	12/24/20	JLI	SW8260C
Naphthalene	ND		5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
n-Butylbenzene	ND		5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C
n-Propylbenzene	ND		5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
o-Xylene	ND		5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
p-Isopropyltoluene	ND		5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C
sec-Butylbenzene	ND		5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C
Styrene	ND		5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C
tert-Butylbenzene	ND		5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C
Tetrachloroethene	ND		5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
Tetrahydrofuran (THF)	17		11	2.9	ug/Kg	1	12/24/20	JLI	SW8260C
Toluene	ND		5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		11	2.9	ug/Kg	1	12/24/20	JLI	SW8260C
Trichloroethene	ND		5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C
Trichlorofluoromethane	ND		5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C
Vinyl chloride	ND		5.7	0.57	ug/Kg	1	12/24/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	12/24/20	JLI	70 - 130 %
% Bromofluorobenzene	96				%	1	12/24/20	JLI	70 - 130 %
% Dibromofluoromethane	95				%	1	12/24/20	JLI	70 - 130 %
% Toluene-d8	98				%	1	12/24/20	JLI	70 - 130 %
1,4-dioxane									
1,4-dioxane	ND		86	46	ug/kg	1	12/24/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	12/24/20	JLI	70 - 130 %
% Bromofluorobenzene	96				%	1	12/24/20	JLI	70 - 130 %
% Dibromofluoromethane	95				%	1	12/24/20	JLI	70 - 130 %
% Toluene-d8	98				%	1	12/24/20	JLI	70 - 130 %
Volatiles									
1,1,1,2-Tetrachloroethane	ND		23	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
Acrolein	ND		5.7	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
Acrylonitrile	ND		23	0.57	ug/Kg	1	12/24/20	JLI	SW8260C
Tert-butyl alcohol	ND		110	23	ug/Kg	1	12/24/20	JLI	SW8260C
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND		310	160	ug/Kg	1	12/24/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND		310	130	ug/Kg	1	12/24/20	WB	SW8270D
1,2-Dichlorobenzene	ND		310	130	ug/Kg	1	12/24/20	WB	SW8270D
1,2-Diphenylhydrazine	ND		310	140	ug/Kg	1	12/24/20	WB	SW8270D
1,3-Dichlorobenzene	ND		310	130	ug/Kg	1	12/24/20	WB	SW8270D
1,4-Dichlorobenzene	ND		310	130	ug/Kg	1	12/24/20	WB	SW8270D
2,4,5-Trichlorophenol	ND		310	240	ug/Kg	1	12/24/20	WB	SW8270D
2,4,6-Trichlorophenol	ND		220	140	ug/Kg	1	12/24/20	WB	SW8270D
2,4-Dichlorophenol	ND		220	160	ug/Kg	1	12/24/20	WB	SW8270D

Project ID: 146 BAYARD ST BROOKLYN NY
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Phoenix I.D.: CH37237

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dimethylphenol	ND	310	110	ug/Kg	1	12/24/20	WB	SW8270D	
2,4-Dinitrophenol	ND	310	310	ug/Kg	1	12/24/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	220	170	ug/Kg	1	12/24/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D	
2-Chloronaphthalene	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
2-Chlorophenol	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
2-Methylnaphthalene	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	310	210	ug/Kg	1	12/24/20	WB	SW8270D	
2-Nitroaniline	ND	310	310	ug/Kg	1	12/24/20	WB	SW8270D	
2-Nitrophenol	ND	310	280	ug/Kg	1	12/24/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	310	170	ug/Kg	1	12/24/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	220	210	ug/Kg	1	12/24/20	WB	SW8270D	
3-Nitroaniline	ND	440	890	ug/Kg	1	12/24/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	270	89	ug/Kg	1	12/24/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	310	160	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chloroaniline	ND	360	210	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
4-Nitroaniline	ND	440	150	ug/Kg	1	12/24/20	WB	SW8270D	
4-Nitrophenol	ND	440	200	ug/Kg	1	12/24/20	WB	SW8270D	
Acenaphthene	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
Acenaphthylene	ND	310	120	ug/Kg	1	12/24/20	WB	SW8270D	
Acetophenone	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Aniline	ND	360	360	ug/Kg	1	12/24/20	WB	SW8270D	
Anthracene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benz(a)anthracene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzidine	ND	440	260	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(a)pyrene	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(ghi)perylene	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzoic acid	ND	2200	890	ug/Kg	1	12/24/20	WB	SW8270D	
Benzyl butyl phthalate	ND	310	110	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	310	120	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	220	120	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	310	120	ug/Kg	1	12/24/20	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
Carbazole	ND	220	180	ug/Kg	1	12/24/20	WB	SW8270D	
Chrysene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D	
Dibenzofuran	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
Diethyl phthalate	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Dimethylphthalate	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Di-n-butylphthalate	ND	310	120	ug/Kg	1	12/24/20	WB	SW8270D	
Di-n-octylphthalate	ND	310	110	ug/Kg	1	12/24/20	WB	SW8270D	
Fluoranthene	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Fluorene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachlorobenzene	ND	220	130	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachlorobutadiene	ND	310	160	ug/Kg	1	12/24/20	WB	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorocyclopentadiene	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachloroethane	ND	220	130	ug/Kg	1	12/24/20	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Isophorone	ND	220	120	ug/Kg	1	12/24/20	WB	SW8270D	
Naphthalene	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
Nitrobenzene	ND	220	160	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodimethylamine	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodiphenylamine	ND	310	170	ug/Kg	1	12/24/20	WB	SW8270D	
Pentachloronitrobenzene	ND	310	170	ug/Kg	1	12/24/20	WB	SW8270D	
Pentachlorophenol	ND	270	170	ug/Kg	1	12/24/20	WB	SW8270D	
Phenanthrene	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
Phenol	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Pyrene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Pyridine	ND	310	110	ug/Kg	1	12/24/20	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	85			%	1	12/24/20	WB	30 - 130 %	
% 2-Fluorobiphenyl	78			%	1	12/24/20	WB	30 - 130 %	
% 2-Fluorophenol	74			%	1	12/24/20	WB	30 - 130 %	
% Nitrobenzene-d5	81			%	1	12/24/20	WB	30 - 130 %	
% Phenol-d5	78			%	1	12/24/20	WB	30 - 130 %	
% Terphenyl-d14	78			%	1	12/24/20	WB	30 - 130 %	
1,4-Dioxane									
1,4-dioxane	ND	90	90	ug/Kg	1	12/24/20	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2-Fluorobiphenyl	44			%	1	12/24/20	WB	30 - 130 %	
% Nitrobenzene-d5	48			%	1	12/24/20	WB	30 - 130 %	
% Terphenyl-d14	60			%	1	12/24/20	WB	30 - 130 %	
Field Extraction	Completed					12/22/20		SW5035A	1

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.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected 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.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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
January 08, 2021
Reviewed and Released by: Maryam Taylor, 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

January 08, 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:	SOIL	Collected by:	JG	12/22/20	12:05
Location Code:	EBC	Received by:	SW	12/23/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH37237
Phoenix ID: CH37238

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND		0.45	0.45	mg/Kg	1	12/24/20	TH	SW6010D
Aluminum	8580		45	9.0	mg/Kg	10	12/24/20	TH	SW6010D
Arsenic	1.52		0.90	0.90	mg/Kg	1	12/24/20	TH	SW6010D
Barium	69.1		0.9	0.45	mg/Kg	1	12/24/20	TH	SW6010D
Beryllium	0.45		0.36	0.18	mg/Kg	1	12/24/20	TH	SW6010D
Calcium	1580		4.5	4.1	mg/Kg	1	12/24/20	TH	SW6010D
Cadmium	0.85		0.45	0.45	mg/Kg	1	12/24/20	TH	SW6010D
Cobalt	10.4		0.45	0.45	mg/Kg	1	12/24/20	TH	SW6010D
Chromium	25.6		0.45	0.45	mg/Kg	1	12/24/20	TH	SW6010D
Copper	18.7		0.9	0.45	mg/kg	1	12/24/20	TH	SW6010D
Iron	23200		45	45	mg/Kg	10	12/24/20	TH	SW6010D
Mercury	ND		0.03	0.02	mg/Kg	2	12/24/20	MGH	SW7471B
Potassium	2660		9	3.5	mg/Kg	1	12/24/20	TH	SW6010D
Magnesium	3080		4.5	4.5	mg/Kg	1	12/24/20	TH	SW6010D
Manganese	229		4.5	4.5	mg/Kg	10	12/24/20	TH	SW6010D
Sodium	192	N	9	3.9	mg/Kg	1	12/24/20	TH	SW6010D
Nickel	16.0		0.45	0.45	mg/Kg	1	12/24/20	TH	SW6010D
Lead	8.5		0.9	0.45	mg/Kg	1	12/24/20	TH	SW6010D
Antimony	ND		4.6	4.6	mg/Kg	1	12/24/20	TH	SW6010D
Selenium	ND		1.8	1.5	mg/Kg	1	12/24/20	TH	SW6010D
Thallium	ND		1.8	1.8	mg/Kg	1	12/24/20	TH	SW6010D
Vanadium	34.6		0.45	0.45	mg/Kg	1	12/24/20	TH	SW6010D
Zinc	57.5		0.9	0.45	mg/Kg	1	12/24/20	TH	SW6010D
Percent Solid	75				%		12/23/20	CAJ	SW846-%Solid
Extraction for SVOA SIM	Completed						12/23/20	K/E	SW3545A
Soil Extraction for PCB	Completed						12/23/20	K/E	SW3545A
Soil Extraction for Pesticides	Completed						12/23/20	K/E	SW3545A
Mercury Digestion	Completed						12/24/20	ARW	SW7471B

Ver 2

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP2

Phoenix I.D.: CH37238

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for SVOA	Completed					12/23/20	R/M	SW3546
Total Metals Digest	Completed					12/23/20	B/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1221	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1232	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1242	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1248	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1254	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1260	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1262	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1268	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
QA/QC Surrogates								
% DCBP	83			%	2	12/24/20	AW	30 - 150 %
% DCBP (Confirmation)	80			%	2	12/24/20	AW	30 - 150 %
% TCMX	71			%	2	12/24/20	AW	30 - 150 %
% TCMX (Confirmation)	70			%	2	12/24/20	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.6	2.6	ug/Kg	2	12/24/20	AW	SW8081B
4,4' -DDE	ND	2.6	2.6	ug/Kg	2	12/24/20	AW	SW8081B
4,4' -DDT	ND	2.6	2.6	ug/Kg	2	12/24/20	AW	SW8081B
a-BHC	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
a-Chlordane	ND	4.4	4.4	ug/Kg	2	12/24/20	AW	SW8081B
Aldrin	ND	4.4	4.4	ug/Kg	2	12/24/20	AW	SW8081B
b-BHC	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Chlordane	ND	44	44	ug/Kg	2	12/24/20	AW	SW8081B
d-BHC	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Dieldrin	ND	4.4	4.4	ug/Kg	2	12/24/20	AW	SW8081B
Endosulfan I	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Endosulfan II	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Endosulfan sulfate	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Endrin	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Endrin aldehyde	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Endrin ketone	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
g-BHC	ND	1.8	1.8	ug/Kg	2	12/24/20	AW	SW8081B
g-Chlordane	ND	4.4	4.4	ug/Kg	2	12/24/20	AW	SW8081B
Heptachlor	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Heptachlor epoxide	ND	8.8	8.8	ug/Kg	2	12/24/20	AW	SW8081B
Methoxychlor	ND	44	44	ug/Kg	2	12/24/20	AW	SW8081B
Toxaphene	ND	180	180	ug/Kg	2	12/24/20	AW	SW8081B
QA/QC Surrogates								
% DCBP	66			%	2	12/24/20	AW	30 - 150 %
% DCBP (Confirmation)	67			%	2	12/24/20	AW	30 - 150 %
% TCMX	58			%	2	12/24/20	AW	30 - 150 %
% TCMX (Confirmation)	57			%	2	12/24/20	AW	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP2

Phoenix I.D.: CH37238

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1,1-Trichloroethane	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloroethane	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloroethene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloropropene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dibromoethane	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichloroethane	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichloropropane	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3-Dichloropropane	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
2,2-Dichloropropane	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Chlorotoluene	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Hexanone	ND	23	4.6	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Isopropyltoluene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	1
4-Chlorotoluene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	23	4.6	ug/Kg	1	12/24/20	JLI	SW8260C	
Acetone	ND	23	4.6	ug/Kg	1	12/24/20	JLI	SW8260C	
Acrylonitrile	ND	9.2	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
Benzene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromobenzene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromochloromethane	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromodichloromethane	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromoform	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromomethane	ND	4.6	1.8	ug/Kg	1	12/24/20	JLI	SW8260C	
Carbon Disulfide	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
Carbon tetrachloride	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
Chlorobenzene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloroethane	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloroform	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloromethane	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
Dibromochloromethane	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
Dibromomethane	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
Ethylbenzene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
Hexachlorobutadiene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
Isopropylbenzene	ND	4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C	
m&p-Xylene	ND	4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C	
Methyl Ethyl Ketone	ND	28	4.6	ug/Kg	1	12/24/20	JLI	SW8260C	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	1.8	J	9.2	0.92	ug/Kg	1	12/24/20	JLI	SW8260C
Methylene chloride	ND		4.6	4.6	ug/Kg	1	12/24/20	JLI	SW8260C
Naphthalene	ND		4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C
n-Butylbenzene	ND		4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C
n-Propylbenzene	ND		4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C
o-Xylene	ND		4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C
p-Isopropyltoluene	ND		4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C
sec-Butylbenzene	ND		4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C
Styrene	ND		4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C
tert-Butylbenzene	ND		4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C
Tetrachloroethene	ND		4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND		9.2	2.3	ug/Kg	1	12/24/20	JLI	SW8260C
Toluene	ND		4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND		4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND		4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		9.2	2.3	ug/Kg	1	12/24/20	JLI	SW8260C
Trichloroethene	ND		4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C
Trichlorofluoromethane	ND		4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C
Trichlorotrifluoroethane	ND		4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C
Vinyl chloride	ND		4.6	0.46	ug/Kg	1	12/24/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	12/24/20	JLI	70 - 130 %
% Bromofluorobenzene	96				%	1	12/24/20	JLI	70 - 130 %
% Dibromofluoromethane	94				%	1	12/24/20	JLI	70 - 130 %
% Toluene-d8	98				%	1	12/24/20	JLI	70 - 130 %
1,4-dioxane									
1,4-dioxane	ND		69	37	ug/kg	1	12/24/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	12/24/20	JLI	70 - 130 %
% Bromofluorobenzene	96				%	1	12/24/20	JLI	70 - 130 %
% Dibromofluoromethane	94				%	1	12/24/20	JLI	70 - 130 %
% Toluene-d8	98				%	1	12/24/20	JLI	70 - 130 %
Volatiles									
1,1,1,2-Tetrachloroethane	ND		18	0.92	ug/Kg	1	12/24/20	JLI	SW8260C
Acrolein	ND		4.6	0.92	ug/Kg	1	12/24/20	JLI	SW8260C
Acrylonitrile	ND		18	0.46	ug/Kg	1	12/24/20	JLI	SW8260C
Tert-butyl alcohol	ND		92	18	ug/Kg	1	12/24/20	JLI	SW8260C
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND		310	150	ug/Kg	1	12/24/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND		310	130	ug/Kg	1	12/24/20	WB	SW8270D
1,2-Dichlorobenzene	ND		310	120	ug/Kg	1	12/24/20	WB	SW8270D
1,2-Diphenylhydrazine	ND		310	140	ug/Kg	1	12/24/20	WB	SW8270D
1,3-Dichlorobenzene	ND		310	130	ug/Kg	1	12/24/20	WB	SW8270D
1,4-Dichlorobenzene	ND		310	130	ug/Kg	1	12/24/20	WB	SW8270D
2,4,5-Trichlorophenol	ND		310	240	ug/Kg	1	12/24/20	WB	SW8270D
2,4,6-Trichlorophenol	ND		220	140	ug/Kg	1	12/24/20	WB	SW8270D
2,4-Dichlorophenol	ND		220	150	ug/Kg	1	12/24/20	WB	SW8270D

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Client ID: EP2

Phoenix I.D.: CH37238

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dimethylphenol	ND	310	110	ug/Kg	1	12/24/20	WB	SW8270D	
2,4-Dinitrophenol	ND	310	310	ug/Kg	1	12/24/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	220	170	ug/Kg	1	12/24/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D	
2-Chloronaphthalene	ND	310	120	ug/Kg	1	12/24/20	WB	SW8270D	
2-Chlorophenol	ND	310	120	ug/Kg	1	12/24/20	WB	SW8270D	
2-Methylnaphthalene	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	310	210	ug/Kg	1	12/24/20	WB	SW8270D	
2-Nitroaniline	ND	310	310	ug/Kg	1	12/24/20	WB	SW8270D	
2-Nitrophenol	ND	310	280	ug/Kg	1	12/24/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	310	170	ug/Kg	1	12/24/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	220	210	ug/Kg	1	12/24/20	WB	SW8270D	
3-Nitroaniline	ND	440	880	ug/Kg	1	12/24/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	260	88	ug/Kg	1	12/24/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chloroaniline	ND	350	200	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
4-Nitroaniline	ND	440	150	ug/Kg	1	12/24/20	WB	SW8270D	
4-Nitrophenol	ND	440	200	ug/Kg	1	12/24/20	WB	SW8270D	
Acenaphthene	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
Acenaphthylene	ND	310	120	ug/Kg	1	12/24/20	WB	SW8270D	
Acetophenone	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Aniline	ND	350	350	ug/Kg	1	12/24/20	WB	SW8270D	
Anthracene	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Benz(a)anthracene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzidine	ND	440	260	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(a)pyrene	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(ghi)perylene	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzoic acid	ND	2200	880	ug/Kg	1	12/24/20	WB	SW8270D	
Benzyl butyl phthalate	ND	310	110	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	310	120	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	220	120	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	310	120	ug/Kg	1	12/24/20	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
Carbazole	ND	220	180	ug/Kg	1	12/24/20	WB	SW8270D	
Chrysene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D	
Dibenzofuran	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
Diethyl phthalate	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Dimethylphthalate	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Di-n-butylphthalate	ND	310	120	ug/Kg	1	12/24/20	WB	SW8270D	
Di-n-octylphthalate	ND	310	110	ug/Kg	1	12/24/20	WB	SW8270D	
Fluoranthene	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Fluorene	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachlorobenzene	ND	220	130	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachlorobutadiene	ND	310	160	ug/Kg	1	12/24/20	WB	SW8270D	

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Phoenix I.D.: CH37238

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorocyclopentadiene	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachloroethane	ND	220	130	ug/Kg	1	12/24/20	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Isophorone	ND	220	120	ug/Kg	1	12/24/20	WB	SW8270D	
Naphthalene	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
Nitrobenzene	ND	220	150	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodimethylamine	ND	310	120	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodiphenylamine	ND	310	170	ug/Kg	1	12/24/20	WB	SW8270D	
Pentachloronitrobenzene	ND	310	160	ug/Kg	1	12/24/20	WB	SW8270D	
Pentachlorophenol	ND	260	170	ug/Kg	1	12/24/20	WB	SW8270D	
Phenanthrene	ND	310	130	ug/Kg	1	12/24/20	WB	SW8270D	
Phenol	ND	310	140	ug/Kg	1	12/24/20	WB	SW8270D	
Pyrene	ND	310	150	ug/Kg	1	12/24/20	WB	SW8270D	
Pyridine	ND	310	110	ug/Kg	1	12/24/20	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	82			%	1	12/24/20	WB	30 - 130 %	
% 2-Fluorobiphenyl	80			%	1	12/24/20	WB	30 - 130 %	
% 2-Fluorophenol	71			%	1	12/24/20	WB	30 - 130 %	
% Nitrobenzene-d5	78			%	1	12/24/20	WB	30 - 130 %	
% Phenol-d5	76			%	1	12/24/20	WB	30 - 130 %	
% Terphenyl-d14	79			%	1	12/24/20	WB	30 - 130 %	
1,4-Dioxane									
1,4-dioxane	ND	86	86	ug/Kg	1	12/24/20	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2-Fluorobiphenyl	32			%	1	12/24/20	WB	30 - 130 %	
% Nitrobenzene-d5	31			%	1	12/24/20	WB	30 - 130 %	
% Terphenyl-d14	56			%	1	12/24/20	WB	30 - 130 %	
Field Extraction	Completed					12/22/20		SW5035A	1

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.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected 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.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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
January 08, 2021
Reviewed and Released by: Maryam Taylor, Project Manager

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

January 08, 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:	SOIL	Collected by:	JG	12/22/20	
Location Code:	EBC	Received by:	SW	12/23/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH37237
Phoenix ID: CH37239

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,1-Dichloroethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,1-Dichloroethene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,1-Dichloropropene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2-Dibromoethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2-Dichloroethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2-Dichloropropane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,3-Dichloropropane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
2,2-Dichloropropane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
2-Chlorotoluene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
2-Hexanone	ND	1300	250	ug/Kg	50	12/24/20	JLI	SW8260C	
2-Isopropyltoluene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	1
4-Chlorotoluene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	12/24/20	JLI	SW8260C	

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: TRIP BLANK HL

Phoenix I.D.: CH37239

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	1300	250	ug/Kg	50	12/24/20	JLI	SW8260C
Acrylonitrile	ND	500	50	ug/Kg	50	12/24/20	JLI	SW8260C
Benzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Bromobenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Bromochloromethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Bromodichloromethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Bromoform	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Bromomethane	ND	250	100	ug/Kg	50	12/24/20	JLI	SW8260C
Carbon Disulfide	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Carbon tetrachloride	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Chlorobenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Chloroethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Chloroform	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Chloromethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Dibromochloromethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Dibromomethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Ethylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Hexachlorobutadiene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Isopropylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
m&p-Xylene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	1500	250	ug/Kg	50	12/24/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	12/24/20	JLI	SW8260C
Methylene chloride	ND	250	250	ug/Kg	50	12/24/20	JLI	SW8260C
Naphthalene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
n-Butylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
n-Propylbenzene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
o-Xylene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
p-Isopropyltoluene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
sec-Butylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Styrene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
tert-Butylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Tetrachloroethene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	500	130	ug/Kg	50	12/24/20	JLI	SW8260C
Toluene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	500	130	ug/Kg	50	12/24/20	JLI	SW8260C
Trichloroethene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Trichlorofluoromethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Vinyl chloride	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4 (50x)	100			%	50	12/24/20	JLI	70 - 130 %
% Bromofluorobenzene (50x)	100			%	50	12/24/20	JLI	70 - 130 %
% Dibromofluoromethane (50x)	89			%	50	12/24/20	JLI	70 - 130 %
% Toluene-d8 (50x)	99			%	50	12/24/20	JLI	70 - 130 %

Ver 2

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: TRIP BLANK HL

Phoenix I.D.: CH37239

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,4-dioxane									
1,4-dioxane	ND	3800	2000	ug/kg	50	12/24/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4 (50x)	100			%	50	12/24/20	JLI	70 - 130 %	
% Bromofluorobenzene (50x)	100			%	50	12/24/20	JLI	70 - 130 %	
% Dibromofluoromethane (50x)	89			%	50	12/24/20	JLI	70 - 130 %	
% Toluene-d8 (50x)	99			%	50	12/24/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1000	50	ug/Kg	50	12/24/20	JLI	SW8260C	
Acrolein	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
Acrylonitrile	ND	1000	25	ug/Kg	50	12/24/20	JLI	SW8260C	
Tert-butyl alcohol	ND	5000	1000	ug/Kg	50	12/24/20	JLI	SW8260C	
Field Extraction	Completed					12/22/20		SW5035A	1

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 BRL=Below Reporting Level L=Biased Low 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:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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
January 08, 2021
Reviewed and Released by: Maryam Taylor, Project Manager

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

January 08, 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:	SOIL	Collected by:	JG	12/22/20	
Location Code:	EBC	Received by:	SW	12/23/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH37237
Phoenix ID: CH37240

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
2-Hexanone	ND	25	5.0	ug/Kg	1	12/23/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	12/23/20	JLI	SW8260C	

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: TRIP BLANK LL

Phoenix I.D.: CH37240

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	7.8	JS	25	5.0	ug/Kg	1	12/23/20	JLI	SW8260C
Acrylonitrile	ND		10	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Benzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Bromobenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Bromochloromethane	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Bromodichloromethane	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Bromoform	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Bromomethane	ND		5.0	2.0	ug/Kg	1	12/23/20	JLI	SW8260C
Carbon Disulfide	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Carbon tetrachloride	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Chlorobenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Chloroethane	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Chloroform	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Chloromethane	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Dibromochloromethane	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Dibromomethane	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Dichlorodifluoromethane	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Ethylbenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Hexachlorobutadiene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Isopropylbenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
m&p-Xylene	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Methyl Ethyl Ketone	ND		30	5.0	ug/Kg	1	12/23/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		10	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Methylene chloride	ND		5.0	5.0	ug/Kg	1	12/23/20	JLI	SW8260C
Naphthalene	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
n-Butylbenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
n-Propylbenzene	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
o-Xylene	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
p-Isopropyltoluene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
sec-Butylbenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Styrene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
tert-Butylbenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Tetrachloroethene	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Tetrahydrofuran (THF)	6.7	J	10	2.5	ug/Kg	1	12/23/20	JLI	SW8260C
Toluene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		10	2.5	ug/Kg	1	12/23/20	JLI	SW8260C
Trichloroethene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Vinyl chloride	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	12/23/20	JLI	70 - 130 %
% Bromofluorobenzene	98				%	1	12/23/20	JLI	70 - 130 %
% Dibromofluoromethane	94				%	1	12/23/20	JLI	70 - 130 %
% Toluene-d8	98				%	1	12/23/20	JLI	70 - 130 %

Ver 2

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: TRIP BLANK LL

Phoenix I.D.: CH37240

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,4-dioxane									
1,4-dioxane	ND	75	40	ug/kg	1	12/23/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99			%	1	12/23/20	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	12/23/20	JLI	70 - 130 %	
% Dibromofluoromethane	94			%	1	12/23/20	JLI	70 - 130 %	
% Toluene-d8	98			%	1	12/23/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
Acrolein	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
Acrylonitrile	ND	20	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
Tert-butyl alcohol	ND	100	20	ug/Kg	1	12/23/20	JLI	SW8260C	
Field Extraction	Completed					12/22/20		SW5035A	1

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 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:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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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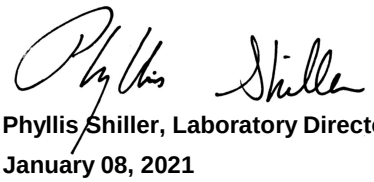

Phyllis Shiller, Laboratory Director
January 08, 2021
Reviewed and Released by: Maryam Taylor, Project Manager

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

January 08, 2021

QA/QC Data

SDG I.D.: GCH37237

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 557804 (mg/kg), QC Sample No: CH37241 (CH37237, CH37238)														
Mercury - Soil	BRL	0.02	<0.03	<0.03	NC	100	82.6	19.1	89.2	85.3	4.5	75 - 125	30	
QA/QC Batch 557738 (mg/kg), QC Sample No: CH37241 (CH37237, CH37238)														
ICP Metals - Soil														
Aluminum	BRL	5.0	5760	5380	6.80	105	101	3.9	NC	NC	NC	80 - 120	30	
Antimony	BRL	3.3	<4.0	<4.3	NC	93.4	93.3	0.1	89.9	93.5	3.9	70 - 130	30	
Arsenic	BRL	0.67	1.45	1.59	NC	104	100	3.9	91.5	92.6	1.2	80 - 120	30	
Barium	BRL	0.33	49.5	46.7	5.80	102	105	2.9	94.2	102	8.0	80 - 120	30	
Beryllium	BRL	0.27	0.22 J	0.23	NC	99.4	102	2.6	91.5	93.3	1.9	80 - 120	30	
Cadmium	BRL	0.33	0.72	0.73	NC	99.3	96.7	2.7	88.4	88.5	0.1	80 - 120	30	
Calcium	BRL	5.0	1280	1220	4.80	99.5	94.8	4.8	NC	NC	NC	80 - 120	30	
Chromium	BRL	0.33	19.8	18.8	5.20	101	100	1.0	91.8	92.9	1.2	80 - 120	30	
Cobalt	BRL	0.33	5.97	5.99	0.30	103	101	2.0	88.9	89.6	0.8	80 - 120	30	
Copper	BRL	0.67	12.3	12.6	2.40	97.3	97.3	0.0	92.7	95.6	3.1	80 - 120	30	
Iron	BRL	5.0	20800	18900	9.60	110	110	0.0	NC	NC	NC	80 - 120	30	
Lead	BRL	0.33	4.5	5.08	12.1	105	103	1.9	93.3	95.2	2.0	80 - 120	30	
Magnesium	BRL	5.0	1720	1760	2.30	108	103	4.7	NC	NC	NC	80 - 120	30	
Manganese	BRL	0.33	330	272	19.3	96.8	94.5	2.4	84.4	91.1	7.6	80 - 120	30	
Nickel	BRL	0.33	11.8	11.9	0.80	101	101	0.0	87.6	89.6	2.3	80 - 120	30	
Potassium	BRL	5.0	1080	1110	2.70	108	101	6.7	NC	>130	NC	80 - 120	30	m
Selenium	BRL	1.3	<1.6	<1.7	NC	99.4	97.2	2.2	90.1	90.4	0.3	80 - 120	30	
Silver	BRL	0.33	<0.40	<0.43	NC	92.9	92.3	0.6	89.1	90.6	1.7	70 - 130	30	
Sodium	BRL	5.0	94 N	88.8	5.70	83.8	79.8	4.9	130	127	2.3	80 - 120	30	m
Thallium	BRL	3.0	<1.6	<3.9	NC	105	102	2.9	89.2	90.9	1.9	80 - 120	30	
Vanadium	BRL	0.33	25.6	26.8	4.60	103	102	1.0	91.4	93.0	1.7	80 - 120	30	
Zinc	BRL	0.67	30.7	30.3	1.30	98.9	97.5	1.4	89.0	89.4	0.4	80 - 120	30	

m = This parameter is outside laboratory MS/MSD specified recovery limits.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

January 08, 2021

QA/QC Data

SDG I.D.: GCH37237

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 557724 (ug/Kg), QC Sample No: CH37241 2X (CH37237, CH37238)											
Polychlorinated Biphenyls - Soil											
PCB-1016	ND	33	89	85	4.6	72	63	13.3	40 - 140	30	
PCB-1221	ND	33							40 - 140	30	
PCB-1232	ND	33							40 - 140	30	
PCB-1242	ND	33							40 - 140	30	
PCB-1248	ND	33							40 - 140	30	
PCB-1254	ND	33							40 - 140	30	
PCB-1260	ND	33	91	93	2.2	80	66	19.2	40 - 140	30	
PCB-1262	ND	33							40 - 140	30	
PCB-1268	ND	33							40 - 140	30	
% DCBP (Surrogate Rec)	94	%	110	102	7.5	89	76	15.8	30 - 150	30	
% DCBP (Surrogate Rec) (Confirm	92	%	108	99	8.7	85	72	16.6	30 - 150	30	
% TCMX (Surrogate Rec)	79	%	89	83	7.0	72	63	13.3	30 - 150	30	
% TCMX (Surrogate Rec) (Confirm	80	%	94	86	8.9	75	64	15.8	30 - 150	30	
QA/QC Batch 557725 (ug/Kg), QC Sample No: CH37241 2X (CH37237, CH37238)											
Pesticides - Soil											
4,4' -DDD	ND	1.7	103	100	3.0	83	67	21.3	40 - 140	30	
4,4' -DDE	ND	1.7	102	75	30.5	79	72	9.3	40 - 140	30	
4,4' -DDT	ND	1.7	110	94	15.7	100	78	24.7	40 - 140	30	
a-BHC	ND	1.0	75	79	5.2	65	63	3.1	40 - 140	30	
a-Chlordane	ND	3.3	94	86	8.9	86	69	21.9	40 - 140	30	
Aldrin	ND	1.0	92	77	17.8	82	70	15.8	40 - 140	30	
b-BHC	ND	1.0	87	88	1.1	101	75	29.5	40 - 140	30	
Chlordane	ND	33	93	85	9.0	80	66	19.2	40 - 140	30	
d-BHC	ND	3.3	99	85	15.2	88	70	22.8	40 - 140	30	
Dieldrin	ND	1.0	101	88	13.8	80	69	14.8	40 - 140	30	
Endosulfan I	ND	3.3	105	106	0.9	87	73	17.5	40 - 140	30	
Endosulfan II	ND	3.3	135	107	23.1	115	94	20.1	40 - 140	30	
Endosulfan sulfate	ND	3.3	107	89	18.4	86	74	15.0	40 - 140	30	
Endrin	ND	3.3	109	95	13.7	92	78	16.5	40 - 140	30	
Endrin aldehyde	ND	3.3	82	74	10.3	91	79	14.1	40 - 140	30	
Endrin ketone	ND	3.3	107	105	1.9	106	79	29.2	40 - 140	30	
g-BHC	ND	1.0	93	96	3.2	79	68	15.0	40 - 140	30	
g-Chlordane	ND	3.3	93	85	9.0	80	66	19.2	40 - 140	30	
Heptachlor	ND	3.3	93	81	13.8	84	68	21.1	40 - 140	30	
Heptachlor epoxide	ND	3.3	98	85	14.2	81	70	14.6	40 - 140	30	
Methoxychlor	ND	3.3	108	111	2.7	103	81	23.9	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	80	%	96	89	7.6	121	78	43.2	30 - 150	30	r
% DCBP (Confirmation)	80	%	99	88	11.8	93	68	31.1	30 - 150	30	r
% TCMX	61	%	76	70	8.2	78	62	22.9	30 - 150	30	
% TCMX (Confirmation)	61	%	77	72	6.7	78	62	22.9	30 - 150	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 557739 (ug/kg), QC Sample No: CH37241 (CH37237, CH37238)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	230	74	73	1.4	66	60	9.5	30 - 130	30	
1,2,4-Trichlorobenzene	ND	230	68	74	8.5	62	52	17.5	30 - 130	30	
1,2-Dichlorobenzene	ND	180	59	65	9.7	53	39	30.4	30 - 130	30	
1,2-Diphenylhydrazine	ND	230	82	82	0.0	83	81	2.4	30 - 130	30	
1,3-Dichlorobenzene	ND	230	55	61	10.3	50	35	35.3	30 - 130	30	r
1,4-Dichlorobenzene	ND	230	60	66	9.5	56	42	28.6	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	91	92	1.1	86	85	1.2	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	91	87	4.5	82	79	3.7	30 - 130	30	
2,4-Dichlorophenol	ND	130	88	88	0.0	77	72	6.7	30 - 130	30	
2,4-Dimethylphenol	ND	230	88	88	0.0	82	77	6.3	30 - 130	30	
2,4-Dinitrophenol	ND	230	88	88	0.0	71	58	20.2	30 - 130	30	
2,4-Dinitrotoluene	ND	130	113	111	1.8	113	106	6.4	30 - 130	30	m
2,6-Dinitrotoluene	ND	130	110	108	1.8	109	103	5.7	30 - 130	30	
2-Chloronaphthalene	ND	230	79	79	0.0	75	73	2.7	30 - 130	30	
2-Chlorophenol	ND	230	80	86	7.2	71	60	16.8	30 - 130	30	
2-Methylnaphthalene	ND	230	74	74	0.0	67	60	11.0	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	83	86	3.6	71	63	11.9	30 - 130	30	
2-Nitroaniline	ND	330	90	91	1.1	95	92	3.2	30 - 130	30	
2-Nitrophenol	ND	230	88	93	5.5	80	68	16.2	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	91	92	1.1	79	66	17.9	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	83	83	0.0	96	92	4.3	30 - 130	30	
3-Nitroaniline	ND	330	92	87	5.6	101	95	6.1	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	230	93	90	3.3	77	71	8.1	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	94	89	5.5	83	79	4.9	30 - 130	30	
4-Chloro-3-methylphenol	ND	230	94	90	4.3	89	82	8.2	30 - 130	30	
4-Chloroaniline	ND	230	61	59	3.3	68	59	14.2	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	83	81	2.4	81	77	5.1	30 - 130	30	
4-Nitroaniline	ND	230	91	91	0.0	90	88	2.2	30 - 130	30	
4-Nitrophenol	ND	230	95	98	3.1	86	89	3.4	30 - 130	30	
Acenaphthene	ND	230	83	81	2.4	78	77	1.3	30 - 130	30	
Acenaphthylene	ND	130	68	67	1.5	67	67	0.0	30 - 130	30	
Acetophenone	ND	230	68	70	2.9	60	48	22.2	30 - 130	30	
Aniline	ND	330	61	65	6.3	57	46	21.4	30 - 130	30	
Anthracene	ND	230	81	80	1.2	82	79	3.7	30 - 130	30	
Benz(a)anthracene	ND	230	83	81	2.4	82	82	0.0	30 - 130	30	
Benzidine	ND	330	45	46	2.2	60	52	14.3	30 - 130	30	
Benzo(a)pyrene	ND	130	84	83	1.2	84	82	2.4	30 - 130	30	
Benzo(b)fluoranthene	ND	160	97	93	4.2	95	90	5.4	30 - 130	30	
Benzo(ghi)perylene	ND	230	75	72	4.1	76	79	3.9	30 - 130	30	
Benzo(k)fluoranthene	ND	230	61	60	1.7	61	61	0.0	30 - 130	30	
Benzoic Acid	ND	670	41	40	2.5	37	35	5.6	30 - 130	30	
Benzyl butyl phthalate	ND	230	102	94	8.2	89	84	5.8	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	230	84	86	2.4	75	68	9.8	30 - 130	30	
Bis(2-chloroethyl)ether	ND	130	67	72	7.2	61	48	23.9	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	230	71	75	5.5	63	50	23.0	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	230	106	100	5.8	95	87	8.8	30 - 130	30	
Carbazole	ND	230	83	83	0.0	83	81	2.4	30 - 130	30	
Chrysene	ND	230	84	83	1.2	85	83	2.4	30 - 130	30	
Dibenz(a,h)anthracene	ND	130	74	73	1.4	77	77	0.0	30 - 130	30	
Dibenzofuran	ND	230	76	75	1.3	76	75	1.3	30 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Diethyl phthalate	ND	230	82	80	2.5	83	79	4.9	30 - 130	30	
Dimethylphthalate	ND	230	85	82	3.6	84	79	6.1	30 - 130	30	
Di-n-butylphthalate	ND	670	89	84	5.8	89	83	7.0	30 - 130	30	
Di-n-octylphthalate	ND	230	107	102	4.8	98	90	8.5	30 - 130	30	
Fluoranthene	ND	230	76	74	2.7	77	76	1.3	30 - 130	30	
Fluorene	ND	230	75	75	0.0	76	75	1.3	30 - 130	30	
Hexachlorobenzene	ND	130	90	82	9.3	80	76	5.1	30 - 130	30	
Hexachlorobutadiene	ND	230	67	73	8.6	58	50	14.8	30 - 130	30	
Hexachlorocyclopentadiene	ND	230	61	65	6.3	50	44	12.8	30 - 130	30	
Hexachloroethane	ND	130	61	67	9.4	55	40	31.6	30 - 130	30	r
Indeno(1,2,3-cd)pyrene	ND	230	73	74	1.4	75	77	2.6	30 - 130	30	
Isophorone	ND	130	78	77	1.3	70	64	9.0	30 - 130	30	
Naphthalene	ND	230	69	72	4.3	64	56	13.3	30 - 130	30	
Nitrobenzene	ND	130	80	84	4.9	71	60	16.8	30 - 130	30	
N-Nitrosodimethylamine	ND	230	59	67	12.7	54	38	34.8	30 - 130	30	r
N-Nitrosodi-n-propylamine	ND	130	80	83	3.7	69	58	17.3	30 - 130	30	
N-Nitrosodiphenylamine	ND	130	81	79	2.5	83	81	2.4	30 - 130	30	
Pentachloronitrobenzene	ND	230	95	89	6.5	82	81	1.2	30 - 130	30	
Pentachlorophenol	ND	230	101	97	4.0	87	83	4.7	30 - 130	30	
Phenanthrene	ND	130	81	79	2.5	79	77	2.6	30 - 130	30	
Phenol	ND	230	83	85	2.4	75	65	14.3	30 - 130	30	
Pyrene	ND	230	76	73	4.0	77	75	2.6	30 - 130	30	
Pyridine	ND	230	43	47	8.9	45	29	43.2	30 - 130	30	m,r
% 2,4,6-Tribromophenol	83	%	96	91	5.3	87	80	8.4	30 - 130	30	
% 2-Fluorobiphenyl	71	%	72	72	0.0	68	66	3.0	30 - 130	30	
% 2-Fluorophenol	56	%	72	77	6.7	64	52	20.7	30 - 130	30	
% Nitrobenzene-d5	64	%	79	82	3.7	68	56	19.4	30 - 130	30	
% Phenol-d5	65	%	85	87	2.3	73	65	11.6	30 - 130	30	
% Terphenyl-d14	81	%	84	81	3.6	82	78	5.0	30 - 130	30	

Comment:

Additional 8270 criteria: Four of the compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 10-110%, for soils 30-130%)

QA/QC Batch 557748 (ug/kg), QC Sample No: CH37241 (CH37237, CH37238)

Polynuclear Aromatic HC - Soil

1,4-dioxane	ND	67	41	44	7.1	42	42	0.0	30 - 130	30	
% 2-Fluorobiphenyl	42	%	35	36	2.8	38	43	12.3	30 - 130	30	
% Nitrobenzene-d5	47	%	31	44	34.7	39	45	14.3	30 - 130	30	r
% Terphenyl-d14	58	%	53	49	7.8	61	61	0.0	30 - 130	30	

QA/QC Batch 557829 (ug/kg), QC Sample No: CH37243 (CH37237, CH37238, CH37240)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	110	117	6.2	101	104	2.9	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	107	114	6.3	105	109	3.7	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	106	112	5.5	93	94	1.1	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	103	108	4.7	91	92	1.1	70 - 130	30	
1,1-Dichloroethane	ND	5.0	105	112	6.5	101	104	2.9	70 - 130	30	
1,1-Dichloroethene	ND	5.0	108	116	7.1	110	112	1.8	70 - 130	30	
1,1-Dichloropropene	ND	5.0	106	111	4.6	105	107	1.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	101	102	1.0	87	91	4.5	70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	103	107	3.8	86	86	0.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	105	103	1.9	86	92	6.7	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	108	113	4.5	100	104	3.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	109	115	5.4	86	90	4.5	70 - 130	30	

QA/QC Data

SDG I.D.: GCH37237

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromoethane	ND	5.0	104	111	6.5	92	94	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	104	107	2.8	92	96	4.3	70 - 130	30	
1,2-Dichloroethane	ND	5.0	102	106	3.8	94	95	1.1	70 - 130	30	
1,2-Dichloropropane	ND	5.0	102	107	4.8	94	95	1.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	109	114	4.5	102	106	3.8	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	108	110	1.8	94	98	4.2	70 - 130	30	
1,3-Dichloropropane	ND	5.0	103	108	4.7	92	94	2.2	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	104	107	2.8	91	95	4.3	70 - 130	30	
1,4-dioxane	ND	100	105	116	10.0	105	146	32.7	70 - 130	30	m,r
2,2-Dichloropropane	ND	5.0	112	120	6.9	106	110	3.7	70 - 130	30	
2-Chlorotoluene	ND	5.0	107	111	3.7	100	104	3.9	70 - 130	30	
2-Hexanone	ND	25	92	97	5.3	82	83	1.2	70 - 130	30	
2-Isopropyltoluene	ND	5.0	109	114	4.5	103	107	3.8	70 - 130	30	
4-Chlorotoluene	ND	5.0	106	110	3.7	96	101	5.1	70 - 130	30	
4-Methyl-2-pentanone	ND	25	96	98	2.1	81	81	0.0	70 - 130	30	
Acetone	ND	10	75	77	2.6	67	66	1.5	70 - 130	30	m
Acrolein	ND	25	107	113	5.5	81	73	10.4	70 - 130	30	
Acrylonitrile	ND	5.0	100	107	6.8	84	84	0.0	70 - 130	30	
Benzene	ND	1.0	108	113	4.5	103	105	1.9	70 - 130	30	
Bromobenzene	ND	5.0	104	109	4.7	95	97	2.1	70 - 130	30	
Bromochloromethane	ND	5.0	105	112	6.5	95	98	3.1	70 - 130	30	
Bromodichloromethane	ND	5.0	110	115	4.4	100	101	1.0	70 - 130	30	
Bromoform	ND	5.0	112	119	6.1	90	92	2.2	70 - 130	30	
Bromomethane	ND	5.0	103	109	5.7	105	104	1.0	70 - 130	30	
Carbon Disulfide	ND	5.0	111	119	7.0	109	111	1.8	70 - 130	30	
Carbon tetrachloride	ND	5.0	114	120	5.1	108	112	3.6	70 - 130	30	
Chlorobenzene	ND	5.0	106	111	4.6	98	102	4.0	70 - 130	30	
Chloroethane	ND	5.0	107	116	8.1	109	112	2.7	70 - 130	30	
Chloroform	ND	5.0	104	111	6.5	98	101	3.0	70 - 130	30	
Chloromethane	ND	5.0	89	96	7.6	89	93	4.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	102	107	4.8	92	94	2.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	111	115	3.5	99	100	1.0	70 - 130	30	
Dibromochloromethane	ND	3.0	115	122	5.9	100	103	3.0	70 - 130	30	
Dibromomethane	ND	5.0	103	107	3.8	91	91	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	104	110	5.6	125	129	3.1	70 - 130	30	
Ethylbenzene	ND	1.0	110	116	5.3	103	107	3.8	70 - 130	30	
Hexachlorobutadiene	ND	5.0	112	115	2.6	104	109	4.7	70 - 130	30	
Isopropylbenzene	ND	1.0	110	116	5.3	106	110	3.7	70 - 130	30	
m&p-Xylene	ND	2.0	110	115	4.4	102	106	3.8	70 - 130	30	
Methyl ethyl ketone	ND	5.0	83	86	3.6	70	68	2.9	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	1.0	96	102	6.1	91	91	0.0	70 - 130	30	
Methylene chloride	ND	5.0	91	98	7.4	87	87	0.0	70 - 130	30	
Naphthalene	ND	5.0	108	112	3.6	95	97	2.1	70 - 130	30	
n-Butylbenzene	ND	1.0	114	118	3.4	103	110	6.6	70 - 130	30	
n-Propylbenzene	ND	1.0	110	116	5.3	106	110	3.7	70 - 130	30	
o-Xylene	ND	2.0	111	117	5.3	104	107	2.8	70 - 130	30	
p-Isopropyltoluene	ND	1.0	114	118	3.4	106	111	4.6	70 - 130	30	
sec-Butylbenzene	ND	1.0	118	125	5.8	114	118	3.4	70 - 130	30	
Styrene	ND	5.0	113	119	5.2	101	105	3.9	70 - 130	30	
tert-butyl alcohol	ND	100	104	112	7.4	92	115	22.2	70 - 130	30	
tert-Butylbenzene	ND	1.0	111	116	4.4	108	111	2.7	70 - 130	30	
Tetrachloroethene	ND	5.0	109	114	4.5	104	107	2.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	95	101	6.1	79	80	1.3	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Toluene	ND	1.0	107	113	5.5	101	104	2.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	111	121	8.6	110	111	0.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	108	114	5.4	95	97	2.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	116	122	5.0	94	95	1.1	70 - 130	30	
Trichloroethene	ND	5.0	105	111	5.6	101	103	2.0	70 - 130	30	
Trichlorofluoromethane	ND	5.0	106	110	3.7	107	111	3.7	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	110	117	6.2	110	113	2.7	70 - 130	30	
Vinyl chloride	ND	5.0	105	111	5.6	107	108	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	99	99	0.0	70 - 130	30	
% Bromofluorobenzene	97	%	102	102	0.0	100	100	0.0	70 - 130	30	
% Dibromofluoromethane	95	%	99	100	1.0	99	98	1.0	70 - 130	30	
% Toluene-d8	99	%	99	99	0.0	101	100	1.0	70 - 130	30	
QA/QC Batch 557829H (ug/kg), QC Sample No: CH37243 50X (CH37239 (50X))											
Volatiles - Soil (High Level)											
1,1,1,2-Tetrachloroethane	ND	250	121	121	0.0	117	119	1.7	70 - 130	30	
1,1,1-Trichloroethane	ND	250	114	118	3.4	115	119	3.4	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	250	125	126	0.8	121	122	0.8	70 - 130	30	
1,1,2-Trichloroethane	ND	250	114	117	2.6	111	114	2.7	70 - 130	30	
1,1-Dichloroethane	ND	250	112	114	1.8	113	115	1.8	70 - 130	30	
1,1-Dichloroethene	ND	250	105	107	1.9	109	115	5.4	70 - 130	30	
1,1-Dichloropropene	ND	250	119	122	2.5	120	124	3.3	70 - 130	30	
1,2,3-Trichlorobenzene	ND	250	113	116	2.6	102	116	12.8	70 - 130	30	
1,2,3-Trichloropropane	ND	250	115	116	0.9	112	114	1.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	250	122	128	4.8	108	120	10.5	70 - 130	30	
1,2,4-Trimethylbenzene	ND	250	121	124	2.4	117	122	4.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	250	119	120	0.8	111	117	5.3	70 - 130	30	
1,2-Dibromoethane	ND	250	116	118	1.7	115	115	0.0	70 - 130	30	
1,2-Dichlorobenzene	ND	250	120	122	1.7	114	119	4.3	70 - 130	30	
1,2-Dichloroethane	ND	250	111	110	0.9	112	115	2.6	70 - 130	30	
1,2-Dichloropropane	ND	250	113	114	0.9	109	113	3.6	70 - 130	30	
1,3,5-Trimethylbenzene	ND	250	122	123	0.8	117	122	4.2	70 - 130	30	
1,3-Dichlorobenzene	ND	250	123	125	1.6	116	120	3.4	70 - 130	30	
1,3-Dichloropropane	ND	250	114	115	0.9	113	114	0.9	70 - 130	30	
1,4-Dichlorobenzene	ND	250	121	123	1.6	114	118	3.4	70 - 130	30	
1,4-dioxane	ND	5000	127	134	5.4	120	122	1.7	70 - 130	30	l
2,2-Dichloropropane	ND	250	120	130	8.0	114	121	6.0	70 - 130	30	
2-Chlorotoluene	ND	250	120	122	1.7	118	121	2.5	70 - 130	30	
2-Hexanone	ND	1300	108	109	0.9	105	107	1.9	70 - 130	30	
2-Isopropyltoluene	ND	250	122	124	1.6	117	122	4.2	70 - 130	30	
4-Chlorotoluene	ND	250	121	123	1.6	116	120	3.4	70 - 130	30	
4-Methyl-2-pentanone	ND	1300	109	109	0.0	105	107	1.9	70 - 130	30	
Acetone	ND	500	59	66	11.2	66	79	17.9	70 - 130	30	l,m
Acrolein	ND	1300	107	111	3.7	100	104	3.9	70 - 130	30	
Acrylonitrile	ND	250	110	112	1.8	107	111	3.7	70 - 130	30	
Benzene	ND	250	121	124	2.4	118	122	3.3	70 - 130	30	
Bromobenzene	ND	250	119	120	0.8	115	117	1.7	70 - 130	30	
Bromochloromethane	ND	250	111	113	1.8	111	113	1.8	70 - 130	30	
Bromodichloromethane	ND	250	118	118	0.0	111	115	3.5	70 - 130	30	
Bromoform	ND	250	125	121	3.3	108	112	3.6	70 - 130	30	
Bromomethane	ND	250	79	84	6.1	78	86	9.8	70 - 130	30	
Carbon Disulfide	ND	250	102	105	2.9	97	106	8.9	70 - 130	30	
Carbon tetrachloride	ND	250	118	120	1.7	112	119	6.1	70 - 130	30	

QA/QC Data

SDG I.D.: GCH37237

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chlorobenzene	ND	250	120	121	0.8	117	119	1.7	70 - 130	30	
Chloroethane	ND	250	52	53	1.9	53	55	3.7	70 - 130	30	l,m
Chloroform	ND	250	112	113	0.9	111	113	1.8	70 - 130	30	
Chloromethane	ND	250	107	108	0.9	103	106	2.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	250	105	111	5.6	105	107	1.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	250	121	123	1.6	114	119	4.3	70 - 130	30	
Dibromochloromethane	ND	150	123	123	0.0	114	117	2.6	70 - 130	30	
Dibromomethane	ND	250	112	113	0.9	109	112	2.7	70 - 130	30	
Dichlorodifluoromethane	ND	250	117	119	1.7	132	137	3.7	70 - 130	30	m
Ethylbenzene	ND	250	124	126	1.6	120	123	2.5	70 - 130	30	
Hexachlorobutadiene	ND	250	130	136	4.5	123	133	7.8	70 - 130	30	l,m
Isopropylbenzene	ND	250	122	124	1.6	120	124	3.3	70 - 130	30	
m&p-Xylene	ND	250	125	127	1.6	121	124	2.4	70 - 130	30	
Methyl ethyl ketone	ND	250	93	98	5.2	95	99	4.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	250	103	104	1.0	105	109	3.7	70 - 130	30	
Methylene chloride	ND	250	95	98	3.1	96	99	3.1	70 - 130	30	
Naphthalene	ND	250	122	124	1.6	112	123	9.4	70 - 130	30	
n-Butylbenzene	ND	250	130	134	3.0	120	129	7.2	70 - 130	30	l
n-Propylbenzene	ND	250	123	127	3.2	120	125	4.1	70 - 130	30	
o-Xylene	ND	250	126	129	2.4	123	125	1.6	70 - 130	30	
p-Isopropyltoluene	ND	250	127	130	2.3	122	129	5.6	70 - 130	30	
sec-Butylbenzene	ND	250	132	135	2.2	128	134	4.6	70 - 130	30	l,m
Styrene	ND	250	130	132	1.5	124	127	2.4	70 - 130	30	l
tert-butyl alcohol	ND	5000	110	106	3.7	111	108	2.7	70 - 130	30	
tert-Butylbenzene	ND	250	124	126	1.6	121	126	4.0	70 - 130	30	
Tetrachloroethene	ND	250	125	128	2.4	122	126	3.2	70 - 130	30	
Tetrahydrofuran (THF)	ND	250	117	120	2.5	114	116	1.7	70 - 130	30	
Toluene	ND	250	121	124	2.4	118	121	2.5	70 - 130	30	
trans-1,2-Dichloroethene	ND	250	121	124	2.4	120	126	4.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	250	122	121	0.8	114	116	1.7	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	250	136	135	0.7	121	126	4.0	70 - 130	30	l
Trichloroethene	ND	250	118	121	2.5	117	121	3.4	70 - 130	30	
Trichlorofluoromethane	ND	250	28	29	3.5	27	29	7.1	70 - 130	30	l,m
Trichlorotrifluoroethane	ND	250	112	114	1.8	113	121	6.8	70 - 130	30	
Vinyl chloride	ND	250	116	118	1.7	115	120	4.3	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	100	98	2.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	100	%	104	103	1.0	102	101	1.0	70 - 130	30	
% Dibromofluoromethane	90	%	95	95	0.0	93	94	1.1	70 - 130	30	
% Toluene-d8	99	%	102	101	1.0	100	101	1.0	70 - 130	30	

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD 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
January 08, 2021

Friday, January 08, 2021

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCH37237 - EBC

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

NY Temperature Narration

January 08, 2021

SDG I.D.: GCH37237

The samples in this delivery group were received at 1.8°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]
Temp 1.8°C Pg 1 of 1

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX *Environmental Laboratories, Inc.*

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:
[ ] Fax:
[ ] Phone: 631-504-6000
[X] Email: Fla

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 146 Bayard Street Brooklyn NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Jessica Guillermo Date: 12/22/20

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	SVOCs 8270	Pesticides/PCBs	TAL Metals	1,4-Dioxane 8270	Soil VOA Vials [ ] methanol [X] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
37237	EP1	S	12-22	12:00	X	X	X	X	X	3	1								
37238	EP2	S	12-22	12:05	X	X	X	X	X	3	1								
37239	Triplank HL				X					1									
37240	Triplank LL				X					2									

Relinquished by:	Accepted by:	Date:	Time:
Jessica Guillermo		12-23-20	12:30
		12-23-20	1626

Comments, Special Requirements or Regulations:

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

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

NY
[ ] NY 375 GWP
[X] NY375 Unrestricted Use Soil
[X] NY375 Residential Soil
[X] Restricted/Residential
[ ] Commercial
[ ] Industrial

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Tuesday, December 29, 2020

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

Project ID: **146 BAYARD ST BROOKLYN NY**
SDG ID: **GCH37241**
Sample ID#s: CH37241 - CH37245

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

December 29, 2020

SDG I.D.: GCH37241

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

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

Sample Id Cross Reference

December 29, 2020

SDG I.D.: GCH37241

Project ID: 146 BAYARD ST BROOKLYN NY

Client Id	Lab Id	Matrix
EP 4	CH37241	SOIL
EP 5	CH37242	SOIL
SOIL DUPLICATE	CH37243	SOIL
TRIP BLANK HL	CH37244	SOIL
TRIP BLANK LL	CH37245	SOIL

PHOENIX

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

Analysis Report

December 29, 2020

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:	SOIL	Collected by:	DM	12/23/20	9:18
Location Code:	EBC	Received by:	SW	12/23/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH37241
Phoenix ID: CH37241

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP 4

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND		0.40	0.40	mg/Kg	1	12/24/20	TH	SW6010D
Aluminum	5760		40	8.0	mg/Kg	10	12/24/20	TH	SW6010D
Arsenic	1.45		0.80	0.80	mg/Kg	1	12/24/20	TH	SW6010D
Barium	49.5		0.8	0.40	mg/Kg	1	12/24/20	TH	SW6010D
Beryllium	0.22	J	0.32	0.16	mg/Kg	1	12/24/20	TH	SW6010D
Calcium	1280		4.0	3.7	mg/Kg	1	12/24/20	TH	SW6010D
Cadmium	0.72		0.40	0.40	mg/Kg	1	12/24/20	TH	SW6010D
Cobalt	5.97		0.40	0.40	mg/Kg	1	12/24/20	TH	SW6010D
Chromium	19.8		0.40	0.40	mg/Kg	1	12/24/20	TH	SW6010D
Copper	12.3		0.8	0.40	mg/kg	1	12/24/20	TH	SW6010D
Iron	20800		40	40	mg/Kg	10	12/24/20	TH	SW6010D
Mercury	ND		0.03	0.02	mg/Kg	2	12/24/20	MGH	SW7471B
Potassium	1080		8	3.1	mg/Kg	1	12/24/20	TH	SW6010D
Magnesium	1720		4.0	4.0	mg/Kg	1	12/24/20	TH	SW6010D
Manganese	330		4.0	4.0	mg/Kg	10	12/24/20	TH	SW6010D
Sodium	94		8	3.4	mg/Kg	1	12/24/20	TH	SW6010D
Nickel	11.8		0.40	0.40	mg/Kg	1	12/24/20	TH	SW6010D
Lead	4.5		0.8	0.40	mg/Kg	1	12/24/20	TH	SW6010D
Antimony	ND		4.0	4.0	mg/Kg	1	12/24/20	TH	SW6010D
Selenium	ND		1.6	1.4	mg/Kg	1	12/24/20	TH	SW6010D
Thallium	ND		1.6	1.6	mg/Kg	1	12/24/20	TH	SW6010D
Vanadium	25.6		0.40	0.40	mg/Kg	1	12/24/20	TH	SW6010D
Zinc	30.7		0.8	0.40	mg/Kg	1	12/24/20	TH	SW6010D
Percent Solid	80				%		12/23/20	CAJ	SW846-%Solid
Extraction for SVOA SIM	Completed						12/23/20	K/E	SW3545A
Soil Extraction for PCB	Completed						12/23/20	K/E	SW3545A
Soil Extraction for Pesticides	Completed						12/23/20	K/E	SW3545A
Mercury Digestion	Completed						12/24/20	ARW	SW7471B

Ver 1

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP 4

Phoenix I.D.: CH37241

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for SVOA	Completed					12/23/20	R/M	SW3546
Total Metals Digest	Completed					12/23/20	B/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	83	83	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1221	ND	83	83	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1232	ND	83	83	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1242	ND	83	83	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1248	ND	83	83	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1254	ND	83	83	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1260	ND	83	83	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1262	ND	83	83	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1268	ND	83	83	ug/Kg	2	12/24/20	AW	SW8082A
QA/QC Surrogates								
% DCBP	74			%	2	12/24/20	AW	30 - 150 %
% DCBP (Confirmation)	71			%	2	12/24/20	AW	30 - 150 %
% TCMX	64			%	2	12/24/20	AW	30 - 150 %
% TCMX (Confirmation)	64			%	2	12/24/20	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.5	2.5	ug/Kg	2	12/24/20	CG	SW8081B
4,4' -DDE	ND	2.5	2.5	ug/Kg	2	12/24/20	CG	SW8081B
4,4' -DDT	ND	2.5	2.5	ug/Kg	2	12/24/20	CG	SW8081B
a-BHC	ND	8.3	8.3	ug/Kg	2	12/24/20	CG	SW8081B
a-Chlordane	ND	4.1	4.1	ug/Kg	2	12/24/20	CG	SW8081B
Aldrin	ND	4.1	4.1	ug/Kg	2	12/24/20	CG	SW8081B
b-BHC	ND	8.3	8.3	ug/Kg	2	12/24/20	CG	SW8081B
Chlordane	ND	41	41	ug/Kg	2	12/24/20	CG	SW8081B
d-BHC	ND	8.3	8.3	ug/Kg	2	12/24/20	CG	SW8081B
Dieldrin	ND	4.1	4.1	ug/Kg	2	12/24/20	CG	SW8081B
Endosulfan I	ND	8.3	8.3	ug/Kg	2	12/24/20	CG	SW8081B
Endosulfan II	ND	8.3	8.3	ug/Kg	2	12/24/20	CG	SW8081B
Endosulfan sulfate	ND	8.3	8.3	ug/Kg	2	12/24/20	CG	SW8081B
Endrin	ND	8.3	8.3	ug/Kg	2	12/24/20	CG	SW8081B
Endrin aldehyde	ND	8.3	8.3	ug/Kg	2	12/24/20	CG	SW8081B
Endrin ketone	ND	8.3	8.3	ug/Kg	2	12/24/20	CG	SW8081B
g-BHC	ND	1.7	1.7	ug/Kg	2	12/24/20	CG	SW8081B
g-Chlordane	ND	4.1	4.1	ug/Kg	2	12/24/20	CG	SW8081B
Heptachlor	ND	8.3	8.3	ug/Kg	2	12/24/20	CG	SW8081B
Heptachlor epoxide	ND	8.3	8.3	ug/Kg	2	12/24/20	CG	SW8081B
Methoxychlor	ND	41	41	ug/Kg	2	12/24/20	CG	SW8081B
Toxaphene	ND	170	170	ug/Kg	2	12/24/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	40			%	2	12/24/20	CG	30 - 150 %
% DCBP (Confirmation)	42			%	2	12/24/20	CG	30 - 150 %
% TCMX	37			%	2	12/24/20	CG	30 - 150 %
% TCMX (Confirmation)	35			%	2	12/24/20	CG	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP 4

Phoenix I.D.: CH37241

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1,1-Trichloroethane	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloroethane	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloroethene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloropropene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dibromoethane	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichloroethane	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichloropropane	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3-Dichloropropane	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
2,2-Dichloropropane	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Chlorotoluene	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Hexanone	ND		27	5.4	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Isopropyltoluene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	1
4-Chlorotoluene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND		27	5.4	ug/Kg	1	12/24/20	JLI	SW8260C	
Acetone	10	JS	27	5.4	ug/Kg	1	12/24/20	JLI	SW8260C	
Acrylonitrile	ND		11	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Benzene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromobenzene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromochloromethane	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromodichloromethane	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromoform	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromomethane	ND		5.4	2.2	ug/Kg	1	12/24/20	JLI	SW8260C	
Carbon Disulfide	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Carbon tetrachloride	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Chlorobenzene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloroethane	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloroform	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloromethane	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
Dibromochloromethane	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Dibromomethane	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
Ethylbenzene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
Hexachlorobutadiene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
Isopropylbenzene	ND		5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C	
m&p-Xylene	ND		5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Methyl Ethyl Ketone	ND		32	5.4	ug/Kg	1	12/24/20	JLI	SW8260C	

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP 4

Phoenix I.D.: CH37241

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
Methylene chloride	ND	5.4	5.4	ug/Kg	1	12/24/20	JLI	SW8260C
Naphthalene	ND	5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
n-Butylbenzene	ND	5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C
n-Propylbenzene	ND	5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
o-Xylene	ND	5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
p-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C
sec-Butylbenzene	ND	5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C
Styrene	ND	5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C
tert-Butylbenzene	ND	5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C
Tetrachloroethene	ND	5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.7	ug/Kg	1	12/24/20	JLI	SW8260C
Toluene	ND	5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.7	ug/Kg	1	12/24/20	JLI	SW8260C
Trichloroethene	ND	5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C
Vinyl chloride	ND	5.4	0.54	ug/Kg	1	12/24/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	12/24/20	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	12/24/20	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	12/24/20	JLI	70 - 130 %
% Toluene-d8	98			%	1	12/24/20	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	81	43	ug/kg	1	12/24/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	12/24/20	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	12/24/20	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	12/24/20	JLI	70 - 130 %
% Toluene-d8	98			%	1	12/24/20	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	22	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
Acrolein	ND	5.4	1.1	ug/Kg	1	12/24/20	JLI	SW8260C
Acrylonitrile	ND	22	0.54	ug/Kg	1	12/24/20	JLI	SW8260C
Tert-butyl alcohol	ND	110	22	ug/Kg	1	12/24/20	JLI	SW8260C
Client MS/MSD	Completed					12/24/20		
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	290	140	ug/Kg	1	12/24/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D
1,2-Dichlorobenzene	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	290	130	ug/Kg	1	12/24/20	WB	SW8270D
1,3-Dichlorobenzene	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D
1,4-Dichlorobenzene	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	290	230	ug/Kg	1	12/24/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	210	130	ug/Kg	1	12/24/20	WB	SW8270D

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP 4

Phoenix I.D.: CH37241

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	210	140	ug/Kg	1	12/24/20	WB	SW8270D	
2,4-Dimethylphenol	ND	290	100	ug/Kg	1	12/24/20	WB	SW8270D	
2,4-Dinitrophenol	ND	290	290	ug/Kg	1	12/24/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	210	160	ug/Kg	1	12/24/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	210	130	ug/Kg	1	12/24/20	WB	SW8270D	
2-Chloronaphthalene	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D	
2-Chlorophenol	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D	
2-Methylnaphthalene	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	290	190	ug/Kg	1	12/24/20	WB	SW8270D	
2-Nitroaniline	ND	290	290	ug/Kg	1	12/24/20	WB	SW8270D	
2-Nitrophenol	ND	290	260	ug/Kg	1	12/24/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	290	160	ug/Kg	1	12/24/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	210	190	ug/Kg	1	12/24/20	WB	SW8270D	
3-Nitroaniline	ND	410	820	ug/Kg	1	12/24/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	250	82	ug/Kg	1	12/24/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	290	140	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chloroaniline	ND	330	190	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	290	140	ug/Kg	1	12/24/20	WB	SW8270D	
4-Nitroaniline	ND	410	140	ug/Kg	1	12/24/20	WB	SW8270D	
4-Nitrophenol	ND	410	190	ug/Kg	1	12/24/20	WB	SW8270D	
Acenaphthene	ND	290	130	ug/Kg	1	12/24/20	WB	SW8270D	
Acenaphthylene	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D	
Acetophenone	ND	290	130	ug/Kg	1	12/24/20	WB	SW8270D	
Aniline	ND	330	330	ug/Kg	1	12/24/20	WB	SW8270D	
Anthracene	ND	290	130	ug/Kg	1	12/24/20	WB	SW8270D	
Benz(a)anthracene	ND	290	140	ug/Kg	1	12/24/20	WB	SW8270D	
Benzidine	ND	410	240	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(a)pyrene	ND	210	130	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	290	140	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(ghi)perylene	ND	290	130	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	290	140	ug/Kg	1	12/24/20	WB	SW8270D	
Benzoic acid	ND	2100	820	ug/Kg	1	12/24/20	WB	SW8270D	
Benzyl butyl phthalate	ND	290	110	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	290	110	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	210	110	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	290	110	ug/Kg	1	12/24/20	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D	
Carbazole	ND	210	160	ug/Kg	1	12/24/20	WB	SW8270D	
Chrysene	ND	290	140	ug/Kg	1	12/24/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	210	130	ug/Kg	1	12/24/20	WB	SW8270D	
Dibenzofuran	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D	
Diethyl phthalate	ND	290	130	ug/Kg	1	12/24/20	WB	SW8270D	
Dimethylphthalate	ND	290	130	ug/Kg	1	12/24/20	WB	SW8270D	
Di-n-butylphthalate	ND	290	110	ug/Kg	1	12/24/20	WB	SW8270D	
Di-n-octylphthalate	ND	290	110	ug/Kg	1	12/24/20	WB	SW8270D	
Fluoranthene	ND	290	130	ug/Kg	1	12/24/20	WB	SW8270D	
Fluorene	ND	290	140	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachlorobenzene	ND	210	120	ug/Kg	1	12/24/20	WB	SW8270D	

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP 4

Phoenix I.D.: CH37241

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	290	150	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachlorocyclopentadiene	ND	290	130	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachloroethane	ND	210	120	ug/Kg	1	12/24/20	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	290	140	ug/Kg	1	12/24/20	WB	SW8270D	
Isophorone	ND	210	120	ug/Kg	1	12/24/20	WB	SW8270D	
Naphthalene	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D	
Nitrobenzene	ND	210	140	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodimethylamine	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	210	130	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodiphenylamine	ND	290	160	ug/Kg	1	12/24/20	WB	SW8270D	
Pentachloronitrobenzene	ND	290	150	ug/Kg	1	12/24/20	WB	SW8270D	
Pentachlorophenol	ND	250	160	ug/Kg	1	12/24/20	WB	SW8270D	
Phenanthrene	ND	290	120	ug/Kg	1	12/24/20	WB	SW8270D	
Phenol	ND	290	130	ug/Kg	1	12/24/20	WB	SW8270D	
Pyrene	ND	290	140	ug/Kg	1	12/24/20	WB	SW8270D	
Pyridine	ND	290	100	ug/Kg	1	12/24/20	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	79			%	1	12/24/20	WB	30 - 130 %	
% 2-Fluorobiphenyl	72			%	1	12/24/20	WB	30 - 130 %	
% 2-Fluorophenol	64			%	1	12/24/20	WB	30 - 130 %	
% Nitrobenzene-d5	71			%	1	12/24/20	WB	30 - 130 %	
% Phenol-d5	71			%	1	12/24/20	WB	30 - 130 %	
% Terphenyl-d14	77			%	1	12/24/20	WB	30 - 130 %	
1,4-Dioxane									
1,4-dioxane	ND	82	82	ug/Kg	1	12/24/20	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2-Fluorobiphenyl	37			%	1	12/24/20	WB	30 - 130 %	
% Nitrobenzene-d5	40			%	1	12/24/20	WB	30 - 130 %	
% Terphenyl-d14	54			%	1	12/24/20	WB	30 - 130 %	
Field Extraction	Completed					12/23/20		SW5035A	1

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.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected 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:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

December 29, 2020

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

Analysis Report

December 29, 2020

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:	SOIL	Collected by:	DM	12/23/20	9:56
Location Code:	EBC	Received by:	SW	12/23/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH37241
Phoenix ID: CH37242

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: EP 5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.42	0.42	mg/Kg	1	12/24/20	TH	SW6010D
Aluminum	7150	42	8.5	mg/Kg	10	12/24/20	TH	SW6010D
Arsenic	1.33	0.85	0.85	mg/Kg	1	12/24/20	TH	SW6010D
Barium	63.3	0.8	0.42	mg/Kg	1	12/24/20	TH	SW6010D
Beryllium	0.43	0.34	0.17	mg/Kg	1	12/24/20	TH	SW6010D
Calcium	1300	4.2	3.9	mg/Kg	1	12/24/20	TH	SW6010D
Cadmium	0.92	0.42	0.42	mg/Kg	1	12/24/20	TH	SW6010D
Cobalt	14.6	0.42	0.42	mg/Kg	1	12/24/20	TH	SW6010D
Chromium	23.3	0.42	0.42	mg/Kg	1	12/24/20	TH	SW6010D
Copper	21.8	0.8	0.42	mg/kg	1	12/24/20	TH	SW6010D
Iron	23500	42	42	mg/Kg	10	12/24/20	TH	SW6010D
Mercury	ND	0.04	0.02	mg/Kg	2	12/24/20	MGH	SW7471B
Potassium	2220	8	3.3	mg/Kg	1	12/24/20	TH	SW6010D
Magnesium	2690	4.2	4.2	mg/Kg	1	12/24/20	TH	SW6010D
Manganese	271	4.2	4.2	mg/Kg	10	12/24/20	TH	SW6010D
Sodium	170	8	3.6	mg/Kg	1	12/24/20	TH	SW6010D
Nickel	16.4	0.42	0.42	mg/Kg	1	12/24/20	TH	SW6010D
Lead	9.2	0.8	0.42	mg/Kg	1	12/24/20	TH	SW6010D
Antimony	ND	4.2	4.2	mg/Kg	1	12/24/20	TH	SW6010D
Selenium	ND	1.7	1.4	mg/Kg	1	12/24/20	TH	SW6010D
Thallium	ND	1.7	1.7	mg/Kg	1	12/24/20	TH	SW6010D
Vanadium	35.9	0.42	0.42	mg/Kg	1	12/24/20	TH	SW6010D
Zinc	56.8	0.8	0.42	mg/Kg	1	12/24/20	TH	SW6010D
Percent Solid	72			%		12/23/20	CAJ	SW846-%Solid
Extraction for SVOA SIM	Completed					12/23/20	K/E	SW3545A
Soil Extraction for PCB	Completed					12/23/20	K/E	SW3545A
Soil Extraction for Pesticides	Completed					12/23/20	K/E	SW3545A
Mercury Digestion	Completed					12/24/20	ARW	SW7471B

Ver 1

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for SVOA	Completed					12/23/20	R/M	SW3546
Total Metals Digest	Completed					12/23/20	B/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	93	93	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1221	ND	93	93	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1232	ND	93	93	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1242	ND	93	93	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1248	ND	93	93	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1254	ND	93	93	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1260	ND	93	93	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1262	ND	93	93	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1268	ND	93	93	ug/Kg	2	12/24/20	AW	SW8082A
QA/QC Surrogates								
% DCBP	80			%	2	12/24/20	AW	30 - 150 %
% DCBP (Confirmation)	83			%	2	12/24/20	AW	30 - 150 %
% TCMX	80			%	2	12/24/20	AW	30 - 150 %
% TCMX (Confirmation)	78			%	2	12/24/20	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.8	2.8	ug/Kg	2	12/24/20	CG	SW8081B
4,4' -DDE	ND	2.8	2.8	ug/Kg	2	12/24/20	CG	SW8081B
4,4' -DDT	ND	2.8	2.8	ug/Kg	2	12/24/20	CG	SW8081B
a-BHC	ND	9.3	9.3	ug/Kg	2	12/24/20	CG	SW8081B
a-Chlordane	ND	4.6	4.6	ug/Kg	2	12/24/20	CG	SW8081B
Aldrin	ND	4.6	4.6	ug/Kg	2	12/24/20	CG	SW8081B
b-BHC	ND	9.3	9.3	ug/Kg	2	12/24/20	CG	SW8081B
Chlordane	ND	46	46	ug/Kg	2	12/24/20	CG	SW8081B
d-BHC	ND	9.3	9.3	ug/Kg	2	12/24/20	CG	SW8081B
Dieldrin	ND	4.6	4.6	ug/Kg	2	12/24/20	CG	SW8081B
Endosulfan I	ND	9.3	9.3	ug/Kg	2	12/24/20	CG	SW8081B
Endosulfan II	ND	9.3	9.3	ug/Kg	2	12/24/20	CG	SW8081B
Endosulfan sulfate	ND	9.3	9.3	ug/Kg	2	12/24/20	CG	SW8081B
Endrin	ND	9.3	9.3	ug/Kg	2	12/24/20	CG	SW8081B
Endrin aldehyde	ND	9.3	9.3	ug/Kg	2	12/24/20	CG	SW8081B
Endrin ketone	ND	9.3	9.3	ug/Kg	2	12/24/20	CG	SW8081B
g-BHC	ND	1.9	1.9	ug/Kg	2	12/24/20	CG	SW8081B
g-Chlordane	ND	4.6	4.6	ug/Kg	2	12/24/20	CG	SW8081B
Heptachlor	ND	9.3	9.3	ug/Kg	2	12/24/20	CG	SW8081B
Heptachlor epoxide	ND	9.3	9.3	ug/Kg	2	12/24/20	CG	SW8081B
Methoxychlor	ND	46	46	ug/Kg	2	12/24/20	CG	SW8081B
Toxaphene	ND	190	190	ug/Kg	2	12/24/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	64			%	2	12/24/20	CG	30 - 150 %
% DCBP (Confirmation)	65			%	2	12/24/20	CG	30 - 150 %
% TCMX	58			%	2	12/24/20	CG	30 - 150 %
% TCMX (Confirmation)	58			%	2	12/24/20	CG	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1,1-Trichloroethane	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloroethane	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloroethene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloropropene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dibromoethane	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichloroethane	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichloropropane	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3-Dichloropropane	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
2,2-Dichloropropane	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Chlorotoluene	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Hexanone	ND	31	6.1	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Isopropyltoluene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	1
4-Chlorotoluene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	31	6.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Acetone	ND	31	6.1	ug/Kg	1	12/24/20	JLI	SW8260C	
Acrylonitrile	ND	12	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
Benzene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromobenzene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromochloromethane	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromodichloromethane	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromoform	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromomethane	ND	6.1	2.4	ug/Kg	1	12/24/20	JLI	SW8260C	
Carbon Disulfide	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
Carbon tetrachloride	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
Chlorobenzene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloroethane	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloroform	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloromethane	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
Dibromochloromethane	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
Dibromomethane	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
Dichlorodifluoromethane	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
Ethylbenzene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
Hexachlorobutadiene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
Isopropylbenzene	ND	6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C	
m&p-Xylene	ND	6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C	
Methyl Ethyl Ketone	ND	37	6.1	ug/Kg	1	12/24/20	JLI	SW8260C	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	1.8	J	12	1.2	ug/Kg	1	12/24/20	JLI	SW8260C
Methylene chloride	ND		6.1	6.1	ug/Kg	1	12/24/20	JLI	SW8260C
Naphthalene	ND		6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C
n-Butylbenzene	ND		6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C
n-Propylbenzene	ND		6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C
o-Xylene	ND		6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C
p-Isopropyltoluene	ND		6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C
sec-Butylbenzene	ND		6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C
Styrene	ND		6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C
tert-Butylbenzene	ND		6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C
Tetrachloroethene	ND		6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND		12	3.1	ug/Kg	1	12/24/20	JLI	SW8260C
Toluene	ND		6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND		6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND		6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		12	3.1	ug/Kg	1	12/24/20	JLI	SW8260C
Trichloroethene	ND		6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C
Trichlorofluoromethane	ND		6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C
Trichlorotrifluoroethane	ND		6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C
Vinyl chloride	ND		6.1	0.61	ug/Kg	1	12/24/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	12/24/20	JLI	70 - 130 %
% Bromofluorobenzene	97				%	1	12/24/20	JLI	70 - 130 %
% Dibromofluoromethane	94				%	1	12/24/20	JLI	70 - 130 %
% Toluene-d8	100				%	1	12/24/20	JLI	70 - 130 %
1,4-dioxane									
1,4-dioxane	ND		92	49	ug/kg	1	12/24/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	12/24/20	JLI	70 - 130 %
% Bromofluorobenzene	97				%	1	12/24/20	JLI	70 - 130 %
% Dibromofluoromethane	94				%	1	12/24/20	JLI	70 - 130 %
% Toluene-d8	100				%	1	12/24/20	JLI	70 - 130 %
Volatiles									
1,1,1,2-Tetrachloroethane	ND		24	1.2	ug/Kg	1	12/24/20	JLI	SW8260C
Acrolein	ND		6.1	1.2	ug/Kg	1	12/24/20	JLI	SW8260C
Acrylonitrile	ND		24	0.61	ug/Kg	1	12/24/20	JLI	SW8260C
Tert-butyl alcohol	ND		120	24	ug/Kg	1	12/24/20	JLI	SW8260C
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND		320	160	ug/Kg	1	12/24/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND		320	140	ug/Kg	1	12/24/20	WB	SW8270D
1,2-Dichlorobenzene	ND		320	130	ug/Kg	1	12/24/20	WB	SW8270D
1,2-Diphenylhydrazine	ND		320	150	ug/Kg	1	12/24/20	WB	SW8270D
1,3-Dichlorobenzene	ND		320	130	ug/Kg	1	12/24/20	WB	SW8270D
1,4-Dichlorobenzene	ND		320	130	ug/Kg	1	12/24/20	WB	SW8270D
2,4,5-Trichlorophenol	ND		320	250	ug/Kg	1	12/24/20	WB	SW8270D
2,4,6-Trichlorophenol	ND		230	140	ug/Kg	1	12/24/20	WB	SW8270D
2,4-Dichlorophenol	ND		230	160	ug/Kg	1	12/24/20	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dimethylphenol	ND	320	110	ug/Kg	1	12/24/20	WB	SW8270D	
2,4-Dinitrophenol	ND	320	320	ug/Kg	1	12/24/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	230	180	ug/Kg	1	12/24/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	230	140	ug/Kg	1	12/24/20	WB	SW8270D	
2-Chloronaphthalene	ND	320	130	ug/Kg	1	12/24/20	WB	SW8270D	
2-Chlorophenol	ND	320	130	ug/Kg	1	12/24/20	WB	SW8270D	
2-Methylnaphthalene	ND	320	130	ug/Kg	1	12/24/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	320	210	ug/Kg	1	12/24/20	WB	SW8270D	
2-Nitroaniline	ND	320	320	ug/Kg	1	12/24/20	WB	SW8270D	
2-Nitrophenol	ND	320	290	ug/Kg	1	12/24/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	320	180	ug/Kg	1	12/24/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	230	210	ug/Kg	1	12/24/20	WB	SW8270D	
3-Nitroaniline	ND	450	910	ug/Kg	1	12/24/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	270	91	ug/Kg	1	12/24/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	320	130	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	320	160	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chloroaniline	ND	360	210	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	320	150	ug/Kg	1	12/24/20	WB	SW8270D	
4-Nitroaniline	ND	450	150	ug/Kg	1	12/24/20	WB	SW8270D	
4-Nitrophenol	ND	450	200	ug/Kg	1	12/24/20	WB	SW8270D	
Acenaphthene	ND	320	140	ug/Kg	1	12/24/20	WB	SW8270D	
Acenaphthylene	ND	320	130	ug/Kg	1	12/24/20	WB	SW8270D	
Acetophenone	ND	320	140	ug/Kg	1	12/24/20	WB	SW8270D	
Aniline	ND	360	360	ug/Kg	1	12/24/20	WB	SW8270D	
Anthracene	ND	320	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benz(a)anthracene	ND	320	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzidine	ND	450	270	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(a)pyrene	ND	230	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	320	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(ghi)perylene	ND	320	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	320	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzoic acid	ND	2300	910	ug/Kg	1	12/24/20	WB	SW8270D	
Benzyl butyl phthalate	ND	320	120	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	320	130	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	230	120	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	320	130	ug/Kg	1	12/24/20	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	320	130	ug/Kg	1	12/24/20	WB	SW8270D	
Carbazole	ND	230	180	ug/Kg	1	12/24/20	WB	SW8270D	
Chrysene	ND	320	150	ug/Kg	1	12/24/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	230	150	ug/Kg	1	12/24/20	WB	SW8270D	
Dibenzofuran	ND	320	130	ug/Kg	1	12/24/20	WB	SW8270D	
Diethyl phthalate	ND	320	140	ug/Kg	1	12/24/20	WB	SW8270D	
Dimethylphthalate	ND	320	140	ug/Kg	1	12/24/20	WB	SW8270D	
Di-n-butylphthalate	ND	320	120	ug/Kg	1	12/24/20	WB	SW8270D	
Di-n-octylphthalate	ND	320	120	ug/Kg	1	12/24/20	WB	SW8270D	
Fluoranthene	ND	320	150	ug/Kg	1	12/24/20	WB	SW8270D	
Fluorene	ND	320	150	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachlorobenzene	ND	230	130	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachlorobutadiene	ND	320	160	ug/Kg	1	12/24/20	WB	SW8270D	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorocyclopentadiene	ND	320	140	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachloroethane	ND	230	140	ug/Kg	1	12/24/20	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	320	150	ug/Kg	1	12/24/20	WB	SW8270D	
Isophorone	ND	230	130	ug/Kg	1	12/24/20	WB	SW8270D	
Naphthalene	ND	320	130	ug/Kg	1	12/24/20	WB	SW8270D	
Nitrobenzene	ND	230	160	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodimethylamine	ND	320	130	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	230	150	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodiphenylamine	ND	320	170	ug/Kg	1	12/24/20	WB	SW8270D	
Pentachloronitrobenzene	ND	320	170	ug/Kg	1	12/24/20	WB	SW8270D	
Pentachlorophenol	ND	270	170	ug/Kg	1	12/24/20	WB	SW8270D	
Phenanthrene	ND	320	130	ug/Kg	1	12/24/20	WB	SW8270D	
Phenol	ND	320	140	ug/Kg	1	12/24/20	WB	SW8270D	
Pyrene	ND	320	160	ug/Kg	1	12/24/20	WB	SW8270D	
Pyridine	ND	320	110	ug/Kg	1	12/24/20	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	81			%	1	12/24/20	WB	30 - 130 %	
% 2-Fluorobiphenyl	73			%	1	12/24/20	WB	30 - 130 %	
% 2-Fluorophenol	63			%	1	12/24/20	WB	30 - 130 %	
% Nitrobenzene-d5	75			%	1	12/24/20	WB	30 - 130 %	
% Phenol-d5	74			%	1	12/24/20	WB	30 - 130 %	
% Terphenyl-d14	77			%	1	12/24/20	WB	30 - 130 %	
1,4-Dioxane									
1,4-dioxane	ND	91	91	ug/Kg	1	12/24/20	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2-Fluorobiphenyl	37			%	1	12/24/20	WB	30 - 130 %	
% Nitrobenzene-d5	45			%	1	12/24/20	WB	30 - 130 %	
% Terphenyl-d14	58			%	1	12/24/20	WB	30 - 130 %	
Field Extraction	Completed					12/23/20		SW5035A	1

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.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected 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.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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
December 29, 2020
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

December 29, 2020

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:	SOIL	Collected by:	DM	12/23/20	
Location Code:	EBC	Received by:	SW	12/23/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH37241
Phoenix ID: CH37243

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: SOIL DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.39	0.39	mg/Kg	1	12/24/20	TH	SW6010D
Aluminum	5800	39	7.8	mg/Kg	10	12/24/20	TH	SW6010D
Arsenic	1.02	0.78	0.78	mg/Kg	1	12/24/20	TH	SW6010D
Barium	50.4	0.8	0.39	mg/Kg	1	12/24/20	TH	SW6010D
Beryllium	0.34	0.31	0.16	mg/Kg	1	12/24/20	TH	SW6010D
Calcium	1160	3.9	3.6	mg/Kg	1	12/24/20	TH	SW6010D
Cadmium	0.75	0.39	0.39	mg/Kg	1	12/24/20	TH	SW6010D
Cobalt	11.6	0.39	0.39	mg/Kg	1	12/24/20	TH	SW6010D
Chromium	18.7	0.39	0.39	mg/Kg	1	12/24/20	TH	SW6010D
Copper	17.5	0.8	0.39	mg/kg	1	12/24/20	TH	SW6010D
Iron	19700	39	39	mg/Kg	10	12/24/20	TH	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	12/24/20	MGH	SW7471B
Potassium	1820	8	3.1	mg/Kg	1	12/24/20	TH	SW6010D
Magnesium	2140	3.9	3.9	mg/Kg	1	12/24/20	TH	SW6010D
Manganese	221	3.9	3.9	mg/Kg	10	12/24/20	TH	SW6010D
Sodium	151	8	3.4	mg/Kg	1	12/24/20	TH	SW6010D
Nickel	13.8	0.39	0.39	mg/Kg	1	12/24/20	TH	SW6010D
Lead	6.1	0.8	0.39	mg/Kg	1	12/24/20	TH	SW6010D
Antimony	ND	3.9	3.9	mg/Kg	1	12/24/20	TH	SW6010D
Selenium	ND	1.6	1.3	mg/Kg	1	12/24/20	TH	SW6010D
Thallium	ND	1.6	1.6	mg/Kg	1	12/24/20	TH	SW6010D
Vanadium	28.9	0.39	0.39	mg/Kg	1	12/24/20	TH	SW6010D
Zinc	45.8	0.8	0.39	mg/Kg	1	12/24/20	TH	SW6010D
Percent Solid	76			%		12/23/20	CAJ	SW846-%Solid
Extraction for SVOA SIM	Completed					12/23/20	K/E	SW3545A
Soil Extraction for PCB	Completed					12/23/20	K/E	SW3545A
Soil Extraction for Pesticides	Completed					12/23/20	K/E	SW3545A
Mercury Digestion	Completed					12/24/20	ARW	SW7471B

Ver 1

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: SOIL DUPLICATE

Phoenix I.D.: CH37243

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for SVOA	Completed					12/23/20	R/M	SW3546
Total Metals Digest	Completed					12/23/20	B/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1221	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1232	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1242	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1248	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1254	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1260	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1262	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
PCB-1268	ND	88	88	ug/Kg	2	12/24/20	AW	SW8082A
QA/QC Surrogates								
% DCBP	68			%	2	12/24/20	AW	30 - 150 %
% DCBP (Confirmation)	72			%	2	12/24/20	AW	30 - 150 %
% TCMX	61			%	2	12/24/20	AW	30 - 150 %
% TCMX (Confirmation)	63			%	2	12/24/20	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.6	2.6	ug/Kg	2	12/24/20	CG	SW8081B
4,4' -DDE	ND	2.6	2.6	ug/Kg	2	12/24/20	CG	SW8081B
4,4' -DDT	ND	2.6	2.6	ug/Kg	2	12/24/20	CG	SW8081B
a-BHC	ND	8.8	8.8	ug/Kg	2	12/24/20	CG	SW8081B
a-Chlordane	ND	4.4	4.4	ug/Kg	2	12/24/20	CG	SW8081B
Aldrin	ND	4.4	4.4	ug/Kg	2	12/24/20	CG	SW8081B
b-BHC	ND	8.8	8.8	ug/Kg	2	12/24/20	CG	SW8081B
Chlordane	ND	44	44	ug/Kg	2	12/24/20	CG	SW8081B
d-BHC	ND	8.8	8.8	ug/Kg	2	12/24/20	CG	SW8081B
Dieldrin	ND	4.4	4.4	ug/Kg	2	12/24/20	CG	SW8081B
Endosulfan I	ND	8.8	8.8	ug/Kg	2	12/24/20	CG	SW8081B
Endosulfan II	ND	8.8	8.8	ug/Kg	2	12/24/20	CG	SW8081B
Endosulfan sulfate	ND	8.8	8.8	ug/Kg	2	12/24/20	CG	SW8081B
Endrin	ND	8.8	8.8	ug/Kg	2	12/24/20	CG	SW8081B
Endrin aldehyde	ND	8.8	8.8	ug/Kg	2	12/24/20	CG	SW8081B
Endrin ketone	ND	8.8	8.8	ug/Kg	2	12/24/20	CG	SW8081B
g-BHC	ND	1.8	1.8	ug/Kg	2	12/24/20	CG	SW8081B
g-Chlordane	ND	4.4	4.4	ug/Kg	2	12/24/20	CG	SW8081B
Heptachlor	ND	8.8	8.8	ug/Kg	2	12/24/20	CG	SW8081B
Heptachlor epoxide	ND	8.8	8.8	ug/Kg	2	12/24/20	CG	SW8081B
Methoxychlor	ND	44	44	ug/Kg	2	12/24/20	CG	SW8081B
Toxaphene	ND	180	180	ug/Kg	2	12/24/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	43			%	2	12/24/20	CG	30 - 150 %
% DCBP (Confirmation)	44			%	2	12/24/20	CG	30 - 150 %
% TCMX	36			%	2	12/24/20	CG	30 - 150 %
% TCMX (Confirmation)	37			%	2	12/24/20	CG	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C

Ver 1

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: SOIL DUPLICATE

Phoenix I.D.: CH37243

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1,1-Trichloroethane	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloroethane	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloroethene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
1,1-Dichloropropene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dibromoethane	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichloroethane	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
1,2-Dichloropropane	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
1,3-Dichloropropane	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
2,2-Dichloropropane	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Chlorotoluene	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Hexanone	ND	33	6.6	ug/Kg	1	12/24/20	JLI	SW8260C	
2-Isopropyltoluene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	1
4-Chlorotoluene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	33	6.6	ug/Kg	1	12/24/20	JLI	SW8260C	
Acetone	ND	33	6.6	ug/Kg	1	12/24/20	JLI	SW8260C	
Acrylonitrile	ND	13	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
Benzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromobenzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromochloromethane	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromodichloromethane	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromoform	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
Bromomethane	ND	6.6	2.6	ug/Kg	1	12/24/20	JLI	SW8260C	
Carbon Disulfide	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
Carbon tetrachloride	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
Chlorobenzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloroethane	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloroform	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
Chloromethane	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
Dibromochloromethane	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
Dibromomethane	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
Dichlorodifluoromethane	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
Ethylbenzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
Hexachlorobutadiene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
Isopropylbenzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C	
m&p-Xylene	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C	
Methyl Ethyl Ketone	ND	39	6.6	ug/Kg	1	12/24/20	JLI	SW8260C	

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: SOIL DUPLICATE

Phoenix I.D.: CH37243

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	12/24/20	JLI	SW8260C
Methylene chloride	ND	6.6	6.6	ug/Kg	1	12/24/20	JLI	SW8260C
Naphthalene	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C
n-Butylbenzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C
n-Propylbenzene	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C
o-Xylene	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C
p-Isopropyltoluene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C
sec-Butylbenzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C
Styrene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C
tert-Butylbenzene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C
Tetrachloroethene	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	3.3	ug/Kg	1	12/24/20	JLI	SW8260C
Toluene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	3.3	ug/Kg	1	12/24/20	JLI	SW8260C
Trichloroethene	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C
Trichlorofluoromethane	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C
Vinyl chloride	ND	6.6	0.66	ug/Kg	1	12/24/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	12/24/20	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	12/24/20	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	12/24/20	JLI	70 - 130 %
% Toluene-d8	98			%	1	12/24/20	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	99	53	ug/kg	1	12/24/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	12/24/20	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	12/24/20	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	12/24/20	JLI	70 - 130 %
% Toluene-d8	98			%	1	12/24/20	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	26	1.3	ug/Kg	1	12/24/20	JLI	SW8260C
Acrolein	ND	6.6	1.3	ug/Kg	1	12/24/20	JLI	SW8260C
Acrylonitrile	ND	26	0.66	ug/Kg	1	12/24/20	JLI	SW8260C
Tert-butyl alcohol	ND	130	26	ug/Kg	1	12/24/20	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	300	150	ug/Kg	1	12/24/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	300	130	ug/Kg	1	12/24/20	WB	SW8270D
1,2-Dichlorobenzene	ND	300	120	ug/Kg	1	12/24/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	300	140	ug/Kg	1	12/24/20	WB	SW8270D
1,3-Dichlorobenzene	ND	300	130	ug/Kg	1	12/24/20	WB	SW8270D
1,4-Dichlorobenzene	ND	300	130	ug/Kg	1	12/24/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	300	240	ug/Kg	1	12/24/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D
2,4-Dichlorophenol	ND	220	150	ug/Kg	1	12/24/20	WB	SW8270D

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: SOIL DUPLICATE

Phoenix I.D.: CH37243

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dimethylphenol	ND	300	110	ug/Kg	1	12/24/20	WB	SW8270D	
2,4-Dinitrophenol	ND	300	300	ug/Kg	1	12/24/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	220	170	ug/Kg	1	12/24/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D	
2-Chloronaphthalene	ND	300	120	ug/Kg	1	12/24/20	WB	SW8270D	
2-Chlorophenol	ND	300	120	ug/Kg	1	12/24/20	WB	SW8270D	
2-Methylnaphthalene	ND	300	130	ug/Kg	1	12/24/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	300	200	ug/Kg	1	12/24/20	WB	SW8270D	
2-Nitroaniline	ND	300	300	ug/Kg	1	12/24/20	WB	SW8270D	
2-Nitrophenol	ND	300	270	ug/Kg	1	12/24/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	300	170	ug/Kg	1	12/24/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	220	200	ug/Kg	1	12/24/20	WB	SW8270D	
3-Nitroaniline	ND	430	860	ug/Kg	1	12/24/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	260	86	ug/Kg	1	12/24/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	300	130	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	300	150	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chloroaniline	ND	350	200	ug/Kg	1	12/24/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	300	150	ug/Kg	1	12/24/20	WB	SW8270D	
4-Nitroaniline	ND	430	140	ug/Kg	1	12/24/20	WB	SW8270D	
4-Nitrophenol	ND	430	200	ug/Kg	1	12/24/20	WB	SW8270D	
Acenaphthene	ND	300	130	ug/Kg	1	12/24/20	WB	SW8270D	
Acenaphthylene	ND	300	120	ug/Kg	1	12/24/20	WB	SW8270D	
Acetophenone	ND	300	130	ug/Kg	1	12/24/20	WB	SW8270D	
Aniline	ND	350	350	ug/Kg	1	12/24/20	WB	SW8270D	
Anthracene	ND	300	140	ug/Kg	1	12/24/20	WB	SW8270D	
Benz(a)anthracene	ND	300	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzidine	ND	430	250	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(a)pyrene	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	300	150	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(ghi)perylene	ND	300	140	ug/Kg	1	12/24/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	300	140	ug/Kg	1	12/24/20	WB	SW8270D	
Benzoic acid	ND	2200	860	ug/Kg	1	12/24/20	WB	SW8270D	
Benzyl butyl phthalate	ND	300	110	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	300	120	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	220	120	ug/Kg	1	12/24/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	300	120	ug/Kg	1	12/24/20	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	300	120	ug/Kg	1	12/24/20	WB	SW8270D	
Carbazole	ND	220	170	ug/Kg	1	12/24/20	WB	SW8270D	
Chrysene	ND	300	150	ug/Kg	1	12/24/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D	
Dibenzofuran	ND	300	130	ug/Kg	1	12/24/20	WB	SW8270D	
Diethyl phthalate	ND	300	140	ug/Kg	1	12/24/20	WB	SW8270D	
Dimethylphthalate	ND	300	130	ug/Kg	1	12/24/20	WB	SW8270D	
Di-n-butylphthalate	ND	300	110	ug/Kg	1	12/24/20	WB	SW8270D	
Di-n-octylphthalate	ND	300	110	ug/Kg	1	12/24/20	WB	SW8270D	
Fluoranthene	ND	300	140	ug/Kg	1	12/24/20	WB	SW8270D	
Fluorene	ND	300	140	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachlorobenzene	ND	220	130	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachlorobutadiene	ND	300	160	ug/Kg	1	12/24/20	WB	SW8270D	

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: SOIL DUPLICATE

Phoenix I.D.: CH37243

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorocyclopentadiene	ND	300	130	ug/Kg	1	12/24/20	WB	SW8270D	
Hexachloroethane	ND	220	130	ug/Kg	1	12/24/20	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	300	140	ug/Kg	1	12/24/20	WB	SW8270D	
Isophorone	ND	220	120	ug/Kg	1	12/24/20	WB	SW8270D	
Naphthalene	ND	300	120	ug/Kg	1	12/24/20	WB	SW8270D	
Nitrobenzene	ND	220	150	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodimethylamine	ND	300	120	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	220	140	ug/Kg	1	12/24/20	WB	SW8270D	
N-Nitrosodiphenylamine	ND	300	170	ug/Kg	1	12/24/20	WB	SW8270D	
Pentachloronitrobenzene	ND	300	160	ug/Kg	1	12/24/20	WB	SW8270D	
Pentachlorophenol	ND	260	160	ug/Kg	1	12/24/20	WB	SW8270D	
Phenanthrene	ND	300	120	ug/Kg	1	12/24/20	WB	SW8270D	
Phenol	ND	300	140	ug/Kg	1	12/24/20	WB	SW8270D	
Pyrene	ND	300	150	ug/Kg	1	12/24/20	WB	SW8270D	
Pyridine	ND	300	110	ug/Kg	1	12/24/20	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	82			%	1	12/24/20	WB	30 - 130 %	
% 2-Fluorobiphenyl	74			%	1	12/24/20	WB	30 - 130 %	
% 2-Fluorophenol	63			%	1	12/24/20	WB	30 - 130 %	
% Nitrobenzene-d5	70			%	1	12/24/20	WB	30 - 130 %	
% Phenol-d5	71			%	1	12/24/20	WB	30 - 130 %	
% Terphenyl-d14	76			%	1	12/24/20	WB	30 - 130 %	
1,4-Dioxane									
1,4-dioxane	ND	86	86	ug/Kg	1	12/24/20	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2-Fluorobiphenyl	42			%	1	12/24/20	WB	30 - 130 %	
% Nitrobenzene-d5	50			%	1	12/24/20	WB	30 - 130 %	
% Terphenyl-d14	56			%	1	12/24/20	WB	30 - 130 %	
Field Extraction	Completed					12/23/20		SW5035A	1

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.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low 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:

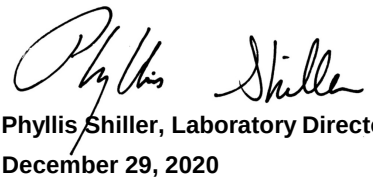
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

December 29, 2020

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

Analysis Report

December 29, 2020

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:	SOIL	Collected by:	DM	12/23/20	
Location Code:	EBC	Received by:	SW	12/23/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH37241
Phoenix ID: CH37244

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,1-Dichloroethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,1-Dichloroethene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,1-Dichloropropene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2-Dibromoethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2-Dichloroethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,2-Dichloropropane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
1,3-Dichloropropane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
2,2-Dichloropropane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
2-Chlorotoluene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
2-Hexanone	ND	1300	250	ug/Kg	50	12/24/20	JLI	SW8260C	
2-Isopropyltoluene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	1
4-Chlorotoluene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	12/24/20	JLI	SW8260C	

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: TRIP BLANK HL

Phoenix I.D.: CH37244

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	1300	250	ug/Kg	50	12/24/20	JLI	SW8260C
Acrylonitrile	ND	500	50	ug/Kg	50	12/24/20	JLI	SW8260C
Benzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Bromobenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Bromochloromethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Bromodichloromethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Bromoform	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Bromomethane	ND	250	100	ug/Kg	50	12/24/20	JLI	SW8260C
Carbon Disulfide	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Carbon tetrachloride	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Chlorobenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Chloroethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Chloroform	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Chloromethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Dibromochloromethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Dibromomethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Ethylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Hexachlorobutadiene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Isopropylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
m&p-Xylene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	1500	250	ug/Kg	50	12/24/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	12/24/20	JLI	SW8260C
Methylene chloride	ND	250	250	ug/Kg	50	12/24/20	JLI	SW8260C
Naphthalene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
n-Butylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
n-Propylbenzene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
o-Xylene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
p-Isopropyltoluene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
sec-Butylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Styrene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
tert-Butylbenzene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Tetrachloroethene	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	500	130	ug/Kg	50	12/24/20	JLI	SW8260C
Toluene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	500	130	ug/Kg	50	12/24/20	JLI	SW8260C
Trichloroethene	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Trichlorofluoromethane	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
Vinyl chloride	ND	250	25	ug/Kg	50	12/24/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4 (50x)	100			%	50	12/24/20	JLI	70 - 130 %
% Bromofluorobenzene (50x)	99			%	50	12/24/20	JLI	70 - 130 %
% Dibromofluoromethane (50x)	88			%	50	12/24/20	JLI	70 - 130 %
% Toluene-d8 (50x)	98			%	50	12/24/20	JLI	70 - 130 %

Ver 1

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: TRIP BLANK HL

Phoenix I.D.: CH37244

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,4-dioxane									
1,4-dioxane	ND	3800	2000	ug/kg	50	12/24/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4 (50x)	100			%	50	12/24/20	JLI	70 - 130 %	
% Bromofluorobenzene (50x)	99			%	50	12/24/20	JLI	70 - 130 %	
% Dibromofluoromethane (50x)	88			%	50	12/24/20	JLI	70 - 130 %	
% Toluene-d8 (50x)	98			%	50	12/24/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1000	50	ug/Kg	50	12/24/20	JLI	SW8260C	
Acrolein	ND	250	50	ug/Kg	50	12/24/20	JLI	SW8260C	
Acrylonitrile	ND	1000	25	ug/Kg	50	12/24/20	JLI	SW8260C	
Tert-butyl alcohol	ND	5000	1000	ug/Kg	50	12/24/20	JLI	SW8260C	
Field Extraction	Completed					12/23/20		SW5035A	1

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 BRL=Below Reporting Level L=Biased Low 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:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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
December 29, 2020
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

Analysis Report

December 29, 2020

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:	SOIL	Collected by:	DM	12/23/20	
Location Code:	EBC	Received by:	SW	12/23/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH37241
Phoenix ID: CH37245

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
2-Hexanone	ND	25	5.0	ug/Kg	1	12/23/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	12/23/20	JLI	SW8260C	

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: TRIP BLANK LL

Phoenix I.D.: CH37245

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	14	JS	25	5.0	ug/Kg	1	12/23/20	JLI	SW8260C
Acrylonitrile	ND		10	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Benzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Bromobenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Bromochloromethane	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Bromodichloromethane	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Bromoform	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Bromomethane	ND		5.0	2.0	ug/Kg	1	12/23/20	JLI	SW8260C
Carbon Disulfide	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Carbon tetrachloride	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Chlorobenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Chloroethane	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Chloroform	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Chloromethane	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Dibromochloromethane	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Dibromomethane	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Dichlorodifluoromethane	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Ethylbenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Hexachlorobutadiene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Isopropylbenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
m&p-Xylene	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Methyl Ethyl Ketone	ND		30	5.0	ug/Kg	1	12/23/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		10	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Methylene chloride	ND		5.0	5.0	ug/Kg	1	12/23/20	JLI	SW8260C
Naphthalene	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
n-Butylbenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
n-Propylbenzene	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
o-Xylene	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
p-Isopropyltoluene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
sec-Butylbenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Styrene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
tert-Butylbenzene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Tetrachloroethene	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND		10	2.5	ug/Kg	1	12/23/20	JLI	SW8260C
Toluene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		10	2.5	ug/Kg	1	12/23/20	JLI	SW8260C
Trichloroethene	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
Vinyl chloride	ND		5.0	0.50	ug/Kg	1	12/23/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	12/23/20	JLI	70 - 130 %
% Bromofluorobenzene	96				%	1	12/23/20	JLI	70 - 130 %
% Dibromofluoromethane	93				%	1	12/23/20	JLI	70 - 130 %
% Toluene-d8	98				%	1	12/23/20	JLI	70 - 130 %

Ver 1

Project ID: 146 BAYARD ST BROOKLYN NY
Client ID: TRIP BLANK LL

Phoenix I.D.: CH37245

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,4-dioxane									
1,4-dioxane	ND	75	40	ug/kg	1	12/23/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	12/23/20	JLI	70 - 130 %	
% Bromofluorobenzene	96			%	1	12/23/20	JLI	70 - 130 %	
% Dibromofluoromethane	93			%	1	12/23/20	JLI	70 - 130 %	
% Toluene-d8	98			%	1	12/23/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
Acrolein	ND	5.0	1.0	ug/Kg	1	12/23/20	JLI	SW8260C	
Acrylonitrile	ND	20	0.50	ug/Kg	1	12/23/20	JLI	SW8260C	
Tert-butyl alcohol	ND	100	20	ug/Kg	1	12/23/20	JLI	SW8260C	
Field Extraction	Completed					12/23/20		SW5035A	1

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 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:

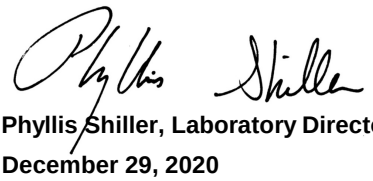
TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
December 29, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Tuesday, December 29, 2020

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCH37241 - EBC

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

NY Temperature Narration

December 29, 2020

SDG I.D.: GCH37241

The samples in this delivery group were received at 1.8°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

NY/NJ CHAIN OF CUSTODY RECORD

Temp 1.8 °C Pg 1 of 1

PHOENIX *Environmental Laboratories, Inc.*

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:
[ ] Fax:
[ ] Phone: 631-504-6000
[X] Email: File

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 146 Bayard St. Brooklyn NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Derek Merker Date: 12/23/20

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	SVOC, 8270	Pesticides/PCBs	TAL Metals	1,4-Dioxane 8270	Soil VOA Vials [X] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
37241	EP 4	S	12/23/20	9:18	X	X	X	X	X	9	3								
37242	EP 5	S	12/23/20	9:56	X	X	X	X	X	3	1								
37243	Soil Duplicate	S	12/23/20		X	X	X	X	X	3	1								
37244	Tripblank HL				X					1									
37245	Tripblank LL				X					2									

Relinquished by:	Accepted by:	Date:	Time:
Derek Merker		12/23/20	12:30
		12-23-20	1626

Comments, Special Requirements or Regulations:
EP4 run MS/MSD

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

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

NY
[ ] NY 375 GWP
[X] NY375 Unrestricted Use Soil
[X] NY375 Residential Soil
[X] Restricted/Residential
[ ] Commercial
[ ] Industrial

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

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

State where samples were collected: NY

ANALYTICAL REPORT

Lab Number:	L2057501
Client:	Environmental Business Consultants Inc 1808 Middle Country Road Ridge, NY 11961
ATTN:	Thomas Gallo
Phone:	(631) 504-6000
Project Name:	146 BAYARD ST.
Project Number:	BGP1702
Report Date:	01/11/21

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057501
Report Date: 01/11/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2057501-01	EP 1	SOIL	146 BAYARD ST., BROOKLYN, NY	12/22/20 12:00	12/23/20
L2057501-02	EP 2	SOIL	146 BAYARD ST., BROOKLYN, NY	12/22/20 12:05	12/23/20

Project Name:	146 BAYARD ST.	**Lab Number:**	L2057501
Project Number:	BGP1702	**Report Date:**	01/11/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 146 BAYARD ST. **Lab Number:** L2057501
Project Number: BGP1702 **Report Date:** 01/11/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

WG1449314-2/-3: The LCS/LCSD recoveries, associated with L2057501-01 and -02, are above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (138% LCS only) and perfluorotetradecanoic acid (pfta) (152%/148%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

WG1449314-2/-3: The Extracted Internal Standard recovery is below the acceptance criteria for Perfluoro[13C8]Octanesulfonamide (M8FOSA) (less than 10%); however, all associated target analytes are within criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Alycia Mogayzel

Title: Technical Director/Representative Date: 01/11/21

ORGANICS

SEMIVOLATILES

Project Name: 146 BAYARD ST.
Lab Number: L2057501
Project Number: BGP1702
Report Date: 01/11/21

SAMPLE RESULTS

Lab ID: L2057501-01
Client ID: EP 1
Sample Location: 146 BAYARD ST., BROOKLYN, NY
Date Collected: 12/22/20 12:00
Date Received: 12/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/29/20 19:05
Analyst: RS
Percent Solids: 75%
Extraction Method: ALPHA 23528
Extraction Date: 12/28/20 09:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.612	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.612	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.612	0.048	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.612	0.064	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.612	0.055	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.612	0.074	1
Perfluorooctanoic Acid (PFOA)	0.058	J	ug/kg	0.612	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.612	0.220	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.612	0.167	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.612	0.092	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.612	0.159	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.612	0.082	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.612	0.352	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.612	0.247	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.612	0.057	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.612	0.187	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.612	0.120	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.612	0.104	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.612	0.086	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.612	0.250	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.612	0.066	1
PFOA/PFOS, Total	0.058	J	ug/kg	0.612	0.051	1

Project Name: 146 BAYARD ST. **Lab Number:** L2057501

Project Number: BGP1702 **Report Date:** 01/11/21

SAMPLE RESULTS

Lab ID: L2057501-01 Date Collected: 12/22/20 12:00

Client ID: EP 1 Date Received: 12/23/20

Sample Location: 146 BAYARD ST., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	113		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	130		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	144		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	123		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	118		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	117		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	125		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	114		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	119		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	111		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	146		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	98		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	129		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	79		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	94		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	109		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	109		26-160

Project Name: 146 BAYARD ST.
Lab Number: L2057501
Project Number: BGP1702
Report Date: 01/11/21

SAMPLE RESULTS

Lab ID: L2057501-02
Client ID: EP 2
Sample Location: 146 BAYARD ST., BROOKLYN, NY

Date Collected: 12/22/20 12:05
Date Received: 12/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/29/20 19:21
Analyst: RS
Percent Solids: 77%

Extraction Method: ALPHA 23528
Extraction Date: 12/28/20 09:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.606	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.606	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.606	0.047	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.606	0.064	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.606	0.055	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.606	0.073	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.606	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.606	0.218	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.606	0.166	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.606	0.091	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.606	0.158	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.606	0.081	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.606	0.348	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.606	0.244	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.606	0.057	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.606	0.186	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.606	0.119	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.606	0.102	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.606	0.085	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.606	0.248	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.606	0.066	1
PFOA/PFOS, Total	ND		ug/kg	0.606	0.051	1

Project Name: 146 BAYARD ST. **Lab Number:** L2057501

Project Number: BGP1702 **Report Date:** 01/11/21

SAMPLE RESULTS

Lab ID: L2057501-02 Date Collected: 12/22/20 12:05

Client ID: EP 2 Date Received: 12/23/20

Sample Location: 146 BAYARD ST., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	107		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	135		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	117		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	109		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	111		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	112		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	109		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	129		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	119		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	97		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97		26-160

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057501
Report Date: 01/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/29/20 09:09
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 12/28/20 09:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1449314-1					
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.500	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.500	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.500	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.500	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.500	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.500	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.500	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.500	0.054
PFOA/PFOS, Total	ND		ug/kg	0.500	0.042

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057501
Report Date: 01/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/29/20 09:09
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 12/28/20 09:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1449314-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	107		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	111		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	120		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	110		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	112		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	107		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	129		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	98		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	120		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	119		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		26-160

Lab Control Sample Analysis
Batch Quality Control

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057501
Report Date: 01/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-02		Batch: WG1449314-2 WG1449314-3					
Perfluorobutanoic Acid (PFBA)	113		113		71-135	0		30
Perfluoropentanoic Acid (PFPeA)	122		121		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	119		117		72-128	2		30
Perfluorohexanoic Acid (PFHxA)	114		115		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	108		106		71-131	2		30
Perfluorohexanesulfonic Acid (PFHxS)	116		116		67-130	0		30
Perfluorooctanoic Acid (PFOA)	112		112		69-133	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	125		130		64-140	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	117		121		70-132	3		30
Perfluorononanoic Acid (PFNA)	112		115		72-129	3		30
Perfluorooctanesulfonic Acid (PFOS)	123		125		68-136	2		30
Perfluorodecanoic Acid (PFDA)	113		109		69-133	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	**138**	Q	137		65-137	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	109		84		63-144	26		30
Perfluoroundecanoic Acid (PFUnA)	116		118		64-136	2		30
Perfluorodecanesulfonic Acid (PFDS)	129		134		59-134	4		30
Perfluorooctanesulfonamide (FOSA)	104		114		67-137	9		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	114		123		61-139	8		30
Perfluorododecanoic Acid (PFDoA)	112		112		69-135	0		30
Perfluorotridecanoic Acid (PFTrDA)	106		106		66-139	0		30
Perfluorotetradecanoic Acid (PFTA)	**152**	Q	**148**	Q	69-133	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 146 BAYARD ST.

Project Number: BGP1702

Lab Number: L2057501

Report Date: 01/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1449314-2 WG1449314-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		106		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		122		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		113		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		107		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		118		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		125		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		105		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	109		119		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		105		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		106		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		107		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	113		143		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		103		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		117		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	5		6		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		80		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		118		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60		71		26-160

INORGANICS
&
MISCELLANEOUS

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057501
Report Date: 01/11/21

SAMPLE RESULTS

Lab ID: L2057501-01
Client ID: EP 1
Sample Location: 146 BAYARD ST., BROOKLYN, NY

Date Collected: 12/22/20 12:00
Date Received: 12/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	75.4		%	0.100	0.100	1	-	01/06/21 16:22	121,2540G	ER

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057501
Report Date: 01/11/21

SAMPLE RESULTS

Lab ID: L2057501-02
Client ID: EP 2
Sample Location: 146 BAYARD ST., BROOKLYN, NY

Date Collected: 12/22/20 12:05
Date Received: 12/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	76.7		%	0.100	0.100	1	-	01/06/21 16:22	121,2540G	ER

Lab Duplicate Analysis

Batch Quality Control

Project Name: 146 BAYARD ST.

Project Number: BGP1702

Lab Number: L2057501

Report Date: 01/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1452279-1 QC Sample: L2057502-01 Client ID: DUP Sample						
Solids, Total	82.4	82.6	%	0		10

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057501
Report Date: 01/11/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2057501-01A	Plastic 8oz unpreserved	A	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2057501-01B	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		A2-TS(7)
L2057501-02A	Plastic 8oz unpreserved	A	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2057501-02B	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		A2-TS(7)

*Values in parentheses indicate holding time in days

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057501
Report Date: 01/11/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	146 BAYARD ST.	**Lab Number:**	L2057501
Project Number:	BGP1702	**Report Date:**	01/11/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	146 BAYARD ST.	**Lab Number:**	L2057501
Project Number:	BGP1702	**Report Date:**	01/11/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	146 BAYARD ST.	**Lab Number:**	L2057501
Project Number:	BGP1702	**Report Date:**	01/11/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	146 BAYARD ST.	**Lab Number:**	L2057501
Project Number:	BGP1702	**Report Date:**	01/11/21

REFERENCES

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ANALYTICAL REPORT

Lab Number:	L2057502
Client:	Environmental Business Consultants Inc 1808 Middle Country Road Ridge, NY 11961
ATTN:	Thomas Gallo
Phone:	(631) 504-6000
Project Name:	146 BAYARD ST.
Project Number:	BGP1702
Report Date:	01/11/21

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057502
Report Date: 01/11/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2057502-01	EP 4	SOIL	146 BAYARD ST., BROOKLYN, NY	12/23/20 09:18	12/23/20
L2057502-02	EP 5	SOIL	146 BAYARD ST., BROOKLYN, NY	12/23/20 09:56	12/23/20
L2057502-03	SOIL DUPLICATE	SOIL	146 BAYARD ST., BROOKLYN, NY	12/23/20 00:00	12/23/20

Project Name:	146 BAYARD ST.	**Lab Number:**	L2057502
Project Number:	BGP1702	**Report Date:**	01/11/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 146 BAYARD ST. **Lab Number:** L2057502
Project Number: BGP1702 **Report Date:** 01/11/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

WG1449314-2/-3: The LCS/LCSD recoveries, associated with L2057502-01 through -03, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (138% LCS only) and perfluorotetradecanoic acid (pfta) (152%/148%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

WG1449314-2/-3: The Extracted Internal Standard recovery is below the acceptance criteria for Perfluoro[13C8]Octanesulfonamide (M8FOSA) (less than 10%); however, all associated target analytes are within criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Alycia Mogayzel

Title: Technical Director/Representative Date: 01/11/21

ORGANICS

SEMIVOLATILES

Project Name: 146 BAYARD ST.
Lab Number: L2057502
Project Number: BGP1702
Report Date: 01/11/21

SAMPLE RESULTS

Lab ID: L2057502-01
Client ID: EP 4
Sample Location: 146 BAYARD ST., BROOKLYN, NY

Date Collected: 12/23/20 09:18
Date Received: 12/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/29/20 19:38
Analyst: RS
Percent Solids: 82%

Extraction Method: ALPHA 23528
Extraction Date: 12/28/20 09:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.544	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.544	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.544	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.544	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.544	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.544	0.066	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.544	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.544	0.195	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.544	0.148	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.544	0.082	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.544	0.141	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.544	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.544	0.312	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.544	0.219	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.544	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.544	0.166	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.544	0.107	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.544	0.092	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.544	0.076	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.544	0.222	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.544	0.059	1
PFOA/PFOS, Total	ND		ug/kg	0.544	0.046	1

Project Name: 146 BAYARD ST. **Lab Number:** L2057502

Project Number: BGP1702 **Report Date:** 01/11/21

SAMPLE RESULTS

Lab ID: L2057502-01 Date Collected: 12/23/20 09:18

Client ID: EP 4 Date Received: 12/23/20

Sample Location: 146 BAYARD ST., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	120		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	135		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	115		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	119		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	127		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	75		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97		26-160

Project Name: 146 BAYARD ST.
Lab Number: L2057502
Project Number: BGP1702
Report Date: 01/11/21

SAMPLE RESULTS

Lab ID: L2057502-02
Client ID: EP 5
Sample Location: 146 BAYARD ST., BROOKLYN, NY

Date Collected: 12/23/20 09:56
Date Received: 12/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/29/20 20:27
Analyst: RS
Percent Solids: 71%

Extraction Method: ALPHA 23528
Extraction Date: 12/28/20 09:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.668	0.030	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.668	0.061	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.668	0.052	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.668	0.070	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.668	0.060	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.668	0.081	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.668	0.056	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.668	0.240	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.668	0.182	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.668	0.100	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.668	0.174	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.668	0.089	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.668	0.383	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.668	0.269	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.668	0.063	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.668	0.204	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.668	0.131	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.668	0.113	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.668	0.093	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.668	0.273	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.668	0.072	1
PFOA/PFOS, Total	ND		ug/kg	0.668	0.056	1

Project Name: 146 BAYARD ST. **Lab Number:** L2057502

Project Number: BGP1702 **Report Date:** 01/11/21

SAMPLE RESULTS

Lab ID: L2057502-02 Date Collected: 12/23/20 09:56

Client ID: EP 5 Date Received: 12/23/20

Sample Location: 146 BAYARD ST., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	110		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	129		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	145		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	120		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	114		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	113		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	121		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	117		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	122		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	112		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	138		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	114		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	129		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	98		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	104		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	108		26-160

Project Name: 146 BAYARD ST.
Lab Number: L2057502
Project Number: BGP1702
Report Date: 01/11/21

SAMPLE RESULTS

Lab ID: L2057502-03
Client ID: SOIL DUPLICATE
Sample Location: 146 BAYARD ST., BROOKLYN, NY

Date Collected: 12/23/20 00:00
Date Received: 12/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/29/20 21:01
Analyst: RS
Percent Solids: 70%

Extraction Method: ALPHA 23528
Extraction Date: 12/28/20 09:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.655	0.030	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.655	0.060	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.655	0.051	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.655	0.069	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.655	0.059	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.655	0.079	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.655	0.055	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.655	0.235	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.655	0.179	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.655	0.098	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.655	0.170	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.655	0.088	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.655	0.376	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.655	0.264	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.655	0.061	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.655	0.200	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.655	0.128	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.655	0.111	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.655	0.092	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.655	0.268	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.655	0.071	1
PFOA/PFOS, Total	ND		ug/kg	0.655	0.055	1

Project Name: 146 BAYARD ST. **Lab Number:** L2057502

Project Number: BGP1702 **Report Date:** 01/11/21

SAMPLE RESULTS

Lab ID: L2057502-03 Date Collected: 12/23/20 00:00

Client ID: SOIL DUPLICATE Date Received: 12/23/20

Sample Location: 146 BAYARD ST., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	111		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	121		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	115		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	80		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		26-160

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057502
Report Date: 01/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/29/20 09:09
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 12/28/20 09:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1449314-1					
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.500	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.500	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.500	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.500	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.500	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.500	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.500	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.500	0.054
PFOA/PFOS, Total	ND		ug/kg	0.500	0.042

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057502
Report Date: 01/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/29/20 09:09
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 12/28/20 09:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1449314-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	107		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	111		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	120		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	110		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	112		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	107		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	129		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	98		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	120		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	119		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		26-160

Lab Control Sample Analysis
Batch Quality Control

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057502
Report Date: 01/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-03		Batch: WG1449314-2 WG1449314-3					
Perfluorobutanoic Acid (PFBA)	113		113		71-135	0		30
Perfluoropentanoic Acid (PFPeA)	122		121		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	119		117		72-128	2		30
Perfluorohexanoic Acid (PFHxA)	114		115		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	108		106		71-131	2		30
Perfluorohexanesulfonic Acid (PFHxS)	116		116		67-130	0		30
Perfluorooctanoic Acid (PFOA)	112		112		69-133	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	125		130		64-140	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	117		121		70-132	3		30
Perfluorononanoic Acid (PFNA)	112		115		72-129	3		30
Perfluorooctanesulfonic Acid (PFOS)	123		125		68-136	2		30
Perfluorodecanoic Acid (PFDA)	113		109		69-133	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	**138**	Q	137		65-137	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	109		84		63-144	26		30
Perfluoroundecanoic Acid (PFUnA)	116		118		64-136	2		30
Perfluorodecanesulfonic Acid (PFDS)	129		134		59-134	4		30
Perfluorooctanesulfonamide (FOSA)	104		114		67-137	9		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	114		123		61-139	8		30
Perfluorododecanoic Acid (PFDoA)	112		112		69-135	0		30
Perfluorotridecanoic Acid (PFTrDA)	106		106		66-139	0		30
Perfluorotetradecanoic Acid (PFTA)	**152**	Q	**148**	Q	69-133	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 146 BAYARD ST.

Project Number: BGP1702

Lab Number: L2057502

Report Date: 01/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1449314-2 WG1449314-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		106		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		122		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		113		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		107		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		118		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		125		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		105		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	109		119		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		105		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		106		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		107		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	113		143		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		103		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		117		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	5		6		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		80		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		118		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60		71		26-160

Matrix Spike Analysis

Batch Quality Control

Project Name: 146 BAYARD ST.

Project Number: BGP1702

Lab Number: L2057502

Report Date: 01/11/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1449314-6 WG1449314-7 QC Sample: L2057502-01 Client ID: EP 4												
Perfluorobutanoic Acid (PFBA)	ND	5.57	5.34	96		5.37	97		71-135	1		30
Perfluoropentanoic Acid (PFPeA)	ND	5.57	5.34	96		5.33	97		69-132	0		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.94	4.55	92		4.62	94		72-128	2		30
Perfluorohexanoic Acid (PFHxA)	ND	5.57	5.42	97		5.48	99		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.57	5.25	94		5.25	95		71-131	0		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.09	4.91	97		5.53	110		67-130	12		30
Perfluorooctanoic Acid (PFOA)	ND	5.57	5.24	94		5.41	98		69-133	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.3	5.55	105		5.74F	109		64-140	3		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.3	4.92	93		5.19	99		70-132	5		30
Perfluorononanoic Acid (PFNA)	ND	5.57	5.25	94		5.17	94		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	ND	5.17	5.06	98		6.08	119		68-136	18		30
Perfluorodecanoic Acid (PFDA)	ND	5.57	5.32	96		5.45	99		69-133	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.34	5.46	102		5.50	104		65-137	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.57	5.97	107		5.22	95		63-144	13		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.57	5.32	96		5.29	96		64-136	1		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.37	5.30	99		4.89	92		59-134	8		30
Perfluorooctanesulfonamide (FOSA)	ND	5.57	5.07F	91		5.26F	95		67-137	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.57	6.79	122		5.34	97		61-139	24		30
Perfluorododecanoic Acid (PFDoA)	ND	5.57	6.22	112		6.10	111		69-135	2		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.57	6.47	116		6.39	116		66-139	1		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.57	5.54	100		5.68	103		69-133	2		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 146 BAYARD ST.

Project Number: BGP1702

Lab Number: L2057502

Report Date: 01/11/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1449314-6 WG1449314-7 QC Sample: L2057502-01 Client ID: EP 4												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	137		141		25-186
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		114		32-182
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		92		42-136
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	90		85		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	122		122		64-158
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	111		108		65-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	122		122		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	115		114		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	124		107		63-166
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	108		110		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	111		116		26-160
Perfluoro[13C4]Butanoic Acid (MPFBA)	110		110		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	126		127		65-182
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		23		1-125
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	115		114		65-151
Perfluoro[13C8]Octanoic Acid (M8PFOA)	113		111		62-152
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	116		116		61-154
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	143		138		70-151

INORGANICS
&
MISCELLANEOUS

Project Name: 146 BAYARD ST.
Project Number: BGP1702
Lab Number: L2057502
Report Date: 01/11/21

SAMPLE RESULTS

Lab ID: L2057502-01
Client ID: EP 4
Sample Location: 146 BAYARD ST., BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/23/20 09:18
Date Received: 12/23/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	82.4		%	0.100	0.100	1	-	01/06/21 16:22	121,2540G	ER

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057502
Report Date: 01/11/21

SAMPLE RESULTS

Lab ID: L2057502-02
Client ID: EP 5
Sample Location: 146 BAYARD ST., BROOKLYN, NY

Date Collected: 12/23/20 09:56
Date Received: 12/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	71.0		%	0.100	0.100	1	-	01/06/21 16:22	121,2540G	ER

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057502
Report Date: 01/11/21

SAMPLE RESULTS

Lab ID: L2057502-03
Client ID: SOIL DUPLICATE
Sample Location: 146 BAYARD ST., BROOKLYN, NY

Date Collected: 12/23/20 00:00
Date Received: 12/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	70.2		%	0.100	0.100	1	-	01/06/21 16:22	121,2540G	ER

Lab Duplicate Analysis

Batch Quality Control

Project Name: 146 BAYARD ST.

Project Number: BGP1702

Lab Number: L2057502

Report Date: 01/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1452279-1 QC Sample: L2057502-01 Client ID: EP 4						
Solids, Total	82.4	82.6	%	0		10

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057502
Report Date: 01/11/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2057502-01A	Plastic 8oz unpreserved	A	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2057502-01A1	Plastic 8oz unpreserved	A	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2057502-01A2	Plastic 8oz unpreserved	A	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2057502-01B	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		A2-TS(7)
L2057502-01B1	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		A2-TS(7)
L2057502-01B2	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		A2-TS(7)
L2057502-02A	Plastic 8oz unpreserved	A	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2057502-02B	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		A2-TS(7)
L2057502-03A	Plastic 8oz unpreserved	A	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2057502-03B	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		A2-TS(7)

*Values in parentheses indicate holding time in days

Project Name: 146 BAYARD ST.
Project Number: BGP1702

Lab Number: L2057502
Report Date: 01/11/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	146 BAYARD ST.	**Lab Number:**	L2057502
Project Number:	BGP1702	**Report Date:**	01/11/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	146 BAYARD ST.	**Lab Number:**	L2057502
Project Number:	BGP1702	**Report Date:**	01/11/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	146 BAYARD ST.	**Lab Number:**	L2057502
Project Number:	BGP1702	**Report Date:**	01/11/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name: 146 BAYARD ST.
Project Number: BGP1702
Lab Number: L2057502
Report Date: 01/11/21

REFERENCES

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/26/20

ALPHA Job #: L2057502

Client Information
Client: EBC
Address: 1808 Middle Country Rd. Ridge NY 11961
Phone: 631-504-6000
Fax:
Email: tyullo@ebcinc ny.com

Project Information
Project Name: 146 Bayard St
Project Location: 146 Bayard St Brooklyn NY
Project #: BGP1702
(Use Project name as Project #)
Project Manager: T. Gallo
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [X] ASP-B
[X] EQuIS (1 File) [X] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[X] Same as Client Info
PO # BGP1702

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

21 PFAs Compounds EPA 537

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	21 PFAs Compounds EPA 537	Sample Specific Comments	Total Bottle
57502-01	EP 4	12/23/20	9:18	S	DM	X	Run MS/MSD	6
-02	EP 5	12/23/20	9:56	S	DM	X		2
-03	Soil Duplicate	12/23/20		S	DM	X		2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	P											
Preservative	A											

Relinquished By:	Date/Time	Received By:	Date/Time
Derek Mercer	12/23/20 10:30	UPS (FedEx)	12/23/20 1241
UPS (FedEx)	12/23/20 1540	Paul Mazzella	12/23/20 1645
Paul Mazzella	12/23/20 2355	Riley Freedman	12/23/20 2355
Riley Freedman	12/24/20 935	ORL	12.26.20 9:25

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Riley Freedman 12.26.20 11:04

ORL - ASC 12/26/20 11:04

Form No: 01-25 HC (rev. 30-Sept-2013)

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/26/20

ALPHA Job #: L2057501

Client Information
Client: EBC
Address: 1508 Middle Country Rd Ridge NY 11961
Phone: 631-504-6000
Fax:
Email: tguillo@ebcinc.com

Project Information
Project Name: 146 Bayard Street
Project Location: 146 Bayard Street Brooklyn NY
Project #: BGP1702
(Use Project name as Project #)
Project Manager: T. Gallo
ALPHAQuote #:

Turn-Around Time
Standard: ☑ Due Date:
Rush (only if pre approved): ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☑ ASP-B
☑ EQuIS (1 File) ☑ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☑ Same as Client Info
PO # BGP1702

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	21 PFAS Compounds EPA 537.1	Sample Specific Comments	Total Bottle
57501-01	EP1	12-22	12:00	Soil	J.G	X		1
-02	EP2	12-22	12:05	Soil	J.G	X		1

Container Type: P
Preservative: A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Jessica Guillermo	12/22/2020 15:00	[illegible] (AM)	12/23/20 12:41
[illegible] (AM)	12/23/20 1540	[illegible]	12/23/20 16:45
[illegible]	12/23/20 2125	[illegible]	12/23/20 21:25
[illegible]	12/24/20 9:25	[illegible]	12/26/20 9:25
[illegible]	12.26.20 11:04	[illegible] AM	12/26/20 11:04

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