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QUARTERLY GROUNDWATER MONITORING REPORT

NYSDEC SITE NUMBER: C224319
205 PARK AVENUE
BROOKLYN, NEW YORK

PREPARED FOR:
462 Lexington, LLC
89 Bartlett Street
Brooklyn, NY 11206

PREPARED BY:
Goldberg-Zoino Associates of New York, P.C.
d/b/a GZA GeoEnvironmental of New York (GZA)
104 West 29th Street, 10th Floor
New York, New York 10001
212-594-8140

May 22, 2023
File No. 12.0076834.20

Mr. Rafi Alam
New York State Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 11th Floor
Albany, NY 12233-7020

Re: Quarterly Groundwater Monitoring Report
205 Park Avenue BCP Site Number: C224319
205 Park Avenue
Brooklyn, New York

Dear Mr. Alam,

Attached is the 1st Quarterly Groundwater Monitoring Report (QGMR) done in 2023 for the above referenced site prepared by Goldberg-Zoino Associates of New York P.C. d/b/a GZA GeoEnvironmental of New York. (GZA) on behalf of 462 Lexington LLC. The quarterly groundwater sampling event was completed on March 8, 2023.

The next groundwater sampling event will be performed in May 2023. If you have any questions, please contact us at 973-774-3321.

Sincerely,
GZA GeoEnvironmental

Zhan Shu, Ph.D., P.E.,
Project Manager

David M. Winslow, Ph.D., P.G.
Principal

Ernest R. Hanna, P.E.
Consultant Reviewer

Cc:
Lefkowitz, 462 Lexington LLC
G. Burke, Director, Remedial Bureau B

FORMER CASCADE LAUNDRY

QUARTERLY MONITORING REPORT

Site Address:	205 Park Avenue Brooklyn, New York	**Regulatory Agency:** NYSDEC **Regulatory Contact:** Mr. Rafi Alam **Consultant:** GZA GeoEnvironmental (GZA)
205 Park Avenue Contact: Bruchy Lefkowitz		**GZA Project Manager:** Zhan Shu

Report Date: April 2023

Current Status: Site Management

Monitoring Period: January 1, 2023 through March 31, 2023

Groundwater Monitoring Summary:

Number of Wells On-Site:	**3**
Gauging Frequency:	**Quarterly**
Sampling Frequency:	**Quarterly**
Groundwater Depth:	**13.9-14.1 below Top of Inner Casing**
Groundwater Flow:	**North - Northeast**

Work Performed:

- Gauged groundwater monitoring wells
- Sampled groundwater in monitoring wells
- Submitted collected groundwater samples for analysis

Groundwater Gauging and Sampling

On March 8, 2023, GZA collected groundwater samples from three groundwater monitoring wells, designated as PT-1 through PT-3, using low-flow methods with dedicated tubing. Prior to sampling each monitoring well, its headspace was screened using a photoionization detector (PID), the water level was measured using an electronic water level meter, and the well was purged utilizing a low-flow peristaltic pump with dedicated Teflon® or Teflon®-lined polyethylene tubing connected to a transparent flow cell. Groundwater from each well was purged using low flow pumping rates to limit drawdown of the water level. Wells were purged until turbidity, pH, temperature, dissolved oxygen, and specific conductivity stabilized. Field measurements, taken from the flow cell, were

recorded in the field logbook during and after purging, and before sampling. Purging was performed with the pump intake placed at about the middle of the well screen so that stagnant water in the well was removed, while not stirring up sediment that may have accumulated on the bottom of the well. Purge volumes were monitored and recorded on the Groundwater Sampling Forms, which are included in **Attachment A**. It is noted that monitoring well MW-5 was damaged during site construction and cannot be sampled, it will be reinstalled before the next sampling event.

Completed sample labels were affixed to the sides of the laboratory provided sample bottles. Following purging, groundwater samples were collected at each of the three monitoring wells sampled. Once the sample bottles were filled, they were immediately placed in a cooler with ice (in Ziploc plastic bags to prevent leaking) to maintain the samples at below 4°C. The sample collected from monitoring well PT-1 through PT-3 were submitted to Alpha Analytical, a NYSDOH ELAP laboratory, for VOCs (including 1,4 Dioxane) analysis. The duplicate sample (DUP) was collected from PT-3.

GZA compared the analytical sample test results to the New York State Department of Environmental Conservation, Ambient Ground Water Quality Standard (NYSDEC TOGS 1.1.1 AWQS). The summary of detected compounds is presented in **Table 1.** The full laboratory analytical reports are included in **Attachment B**.

GW Sampling Results

Based on the investigation results from the three wells sampled, groundwater flows in the north-northeast direction.

Tetrachloroethene (PCE) was detected in the downgradient wells PT-1 through PT-3 at concentrations of 62 µg/L, 46 µg/L, and 31 µg/L, respectively, at concentrations above its AWQS of 5 µg/L. Trichloroethene (TCE) was detected below its AWQS of 5 µg/L in the three downgradient wells.

Based on these results, the cVOCs detected in the groundwater are consistent with previous Site measurements and consistent with the upgradient off-site source documented in the Remedial Investigation and the Remedial Action Work Plan.

Table 1 Groundwater Analytical Results

Table 1 - March 2023 Groundwater Sampling Results
462 Lexington LLC
205 Park Avenue
Brooklyn, NY

LOCATION	CasNum	NY-AWQS	NY-TOGS-GA	Units	PT-1		PT-2		PT-3		PT-3 DUP	
SAMPLING DATE					3/8/2023		3/8/2023		3/8/2023		3/8/2023	
LAB SAMPLE ID					L2312234-03		L2312234-04		L2312234-01		L2312234-02	
SAMPLE TYPE					WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)												
					Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by GC/MS												
Methylene chloride	75-09-2	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethane	75-34-3	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	67-66-3	7	7	ug/l	5		5		4.3		4.5	
Carbon tetrachloride	56-23-5	5	5	ug/l	0.17	J	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	78-87-5	1	1	ug/l	1	U	1	U	1	U	1	U
Dibromochloromethane	124-48-1	50	50	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	79-00-5	1	1	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
Tetrachloroethene	127-18-4	5	5	ug/l	62		46		31		31	
Chlorobenzene	108-90-7	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Trichlorofluoromethane	75-69-4	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	107-06-2	0.6	0.6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	75-27-4	50	50	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	0.4	0.4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	10061-01-5	0.4	0.4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichloropropene, Total	542-75-6			ug/l	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	563-58-6	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Bromoform	75-25-2	50	50	ug/l	2	U	2	U	2	U	2	U
1,1,2,2-Tetrachloroethane	79-34-5	5	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	71-43-2	1	1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	108-88-3	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	100-41-4	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	74-87-3			ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Bromomethane	74-83-9	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl chloride	75-01-4	2	2	ug/l	1	U	1	U	1	U	1	U
Chloroethane	75-00-3	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	75-35-4	5	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	156-60-5	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethene	79-01-6	5	5	ug/l	2.6		2		1.4		1.4	
1,2-Dichlorobenzene	95-50-1	3	3	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	541-73-1	3	3	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	106-46-7	3	3	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	1634-04-4	10	10	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	179601-23-1	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	95-47-6	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Xylenes, Total	1330-20-7			ug/l	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	156-59-2	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethene, Total	540-59-0			ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Dibromomethane	74-95-3	5	5	ug/l	5	U	5	U	5	U	5	U
1,2,3-Trichloropropane	96-18-4	0.04	0.04	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Acrylonitrile	107-13-1	5	5	ug/l	5	U	5	U	5	U	5	U
Styrene	100-42-5	5	930	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Dichlorodifluoromethane	75-71-8	5	5	ug/l	5	U	5	U	5	U	5	U
Acetone	67-64-1	50	50	ug/l	5	U	5	U	5	U	5	U

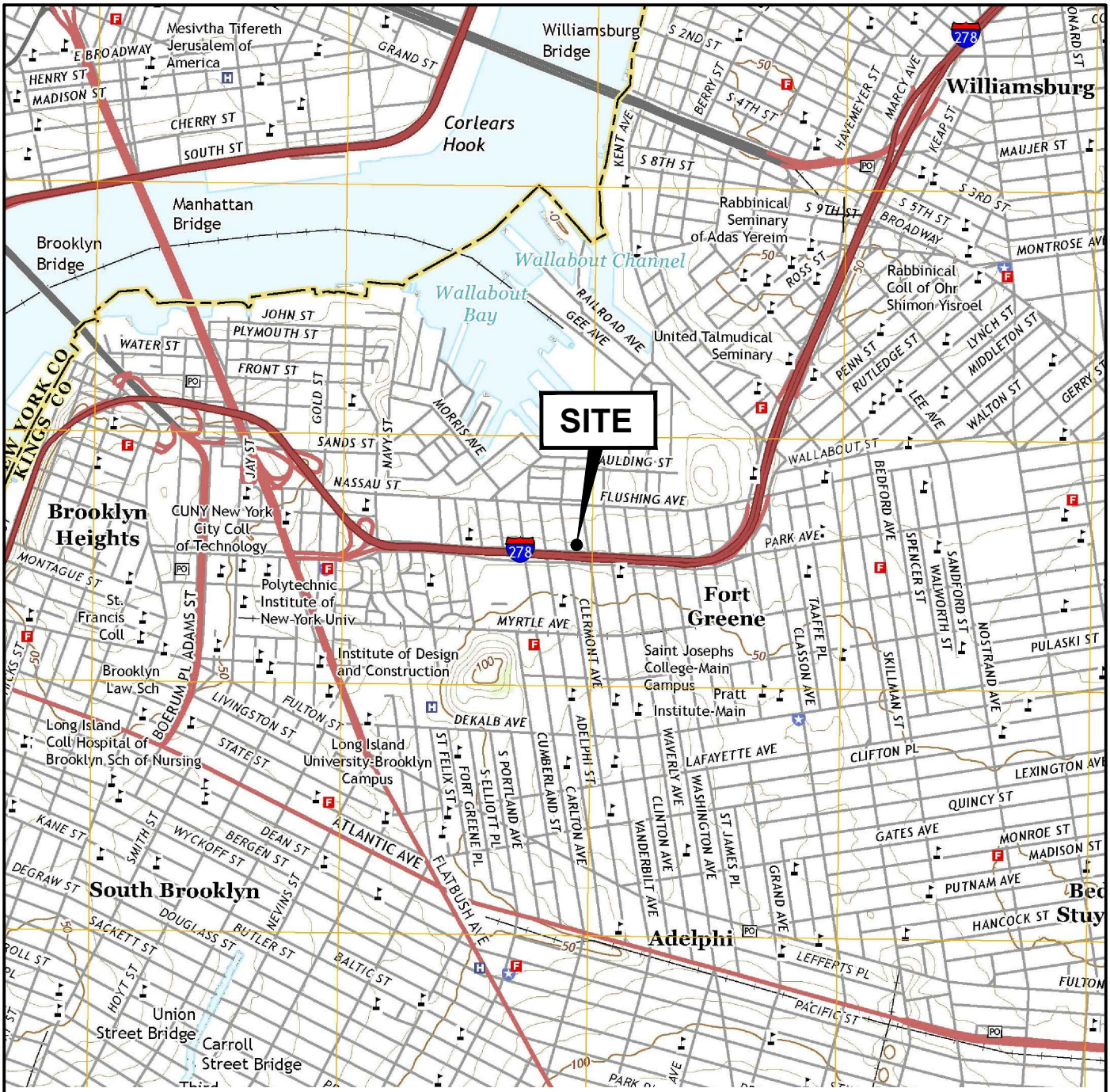
Table 1 - March 2023 Groundwater Sampling Results
462 Lexington LLC
205 Park Avenue
Brooklyn, NY

LOCATION	CasNum	NY-AWQS	NY-TOGS-GA	Units	PT-1		PT-2		PT-3		PT-3 DUP	
SAMPLING DATE					3/8/2023		3/8/2023		3/8/2023		3/8/2023	
LAB SAMPLE ID					L2312234-03		L2312234-04		L2312234-01		L2312234-02	
SAMPLE TYPE					WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)												
					Results	Qual	Results	Qual	Results	Qual	Results	Qual
Carbon disulfide	75-15-0	60	60	ug/l	5	U	5	U	5	U	5	U
2-Butanone	78-93-3	50	50	ug/l	5	U	5	U	5	U	5	U
Vinyl acetate	108-05-4			ug/l	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	108-10-1			ug/l	5	U	5	U	5	U	5	U
2-Hexanone	591-78-6	50	50	ug/l	5	U	5	U	5	U	5	U
Bromochloromethane	74-97-5	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
2,2-Dichloropropane	594-20-7	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	106-93-4	0.0006	0.0006	ug/l	2	U	2	U	2	U	2	U
1,3-Dichloropropane	142-28-9	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1,2-Tetrachloroethane	630-20-6	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Bromobenzene	108-86-1	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene	104-51-8	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	135-98-8	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	98-06-6	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	95-49-8	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	106-43-4	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	0.04	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	87-68-3	0.5	0.5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	98-82-8	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
p-Isopropyltoluene	99-87-6	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	91-20-3	10	10	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene	103-65-1	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	87-61-6	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trichlorobenzene	120-82-1	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,3,5-Trimethylbenzene	108-67-8	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	95-63-6	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dioxane	123-91-1			ug/l	250	U	250	U	250	U	250	U
p-Diethylbenzene	105-05-5			ug/l	2	U	2	U	2	U	2	U
p-Ethyltoluene	622-96-8			ug/l	2	U	2	U	2	U	2	U
1,2,4,5-Tetramethylbenzene	95-93-2	5	5	ug/l	2	U	2	U	2	U	2	U
Ethyl ether	60-29-7			ug/l	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,4-Dichloro-2-butene	110-57-6	5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U

Notes:
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations criteria reflects all addendum to criteria through June 2004.
Yellow highlight indicates that the concentration exceeds the applicable standard.
Gray highlight indicates that the method detection limit is greater than the applicable standard.
J - The value is estimated.
U - Not detected above the method detection.

FIGURES

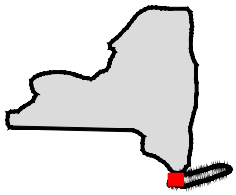
Figure 1 Site Location Map



0 1000' 2000' 4000'

SCALE IN FEET 1" = 2000'

NEW YORK



QUADRANGLE LOCATION

SOURCE:

BASE MAP FROM THE FOLLOWING USGS QUADRANGLE MAP:
BROOKLYN, NY (2016)

DIGITAL TOPOGRAPHIC MAPS PROVIDED BY USGSSTORE.GOV.

CONTOUR ELEVATIONS REFERENCE NAVD 88,
CONTOURS ARE SHOWN IN FEET AT 10' INTERVALS

N
W E
S

205 PARK AVENUE
BROOKLYN, NEW YORK

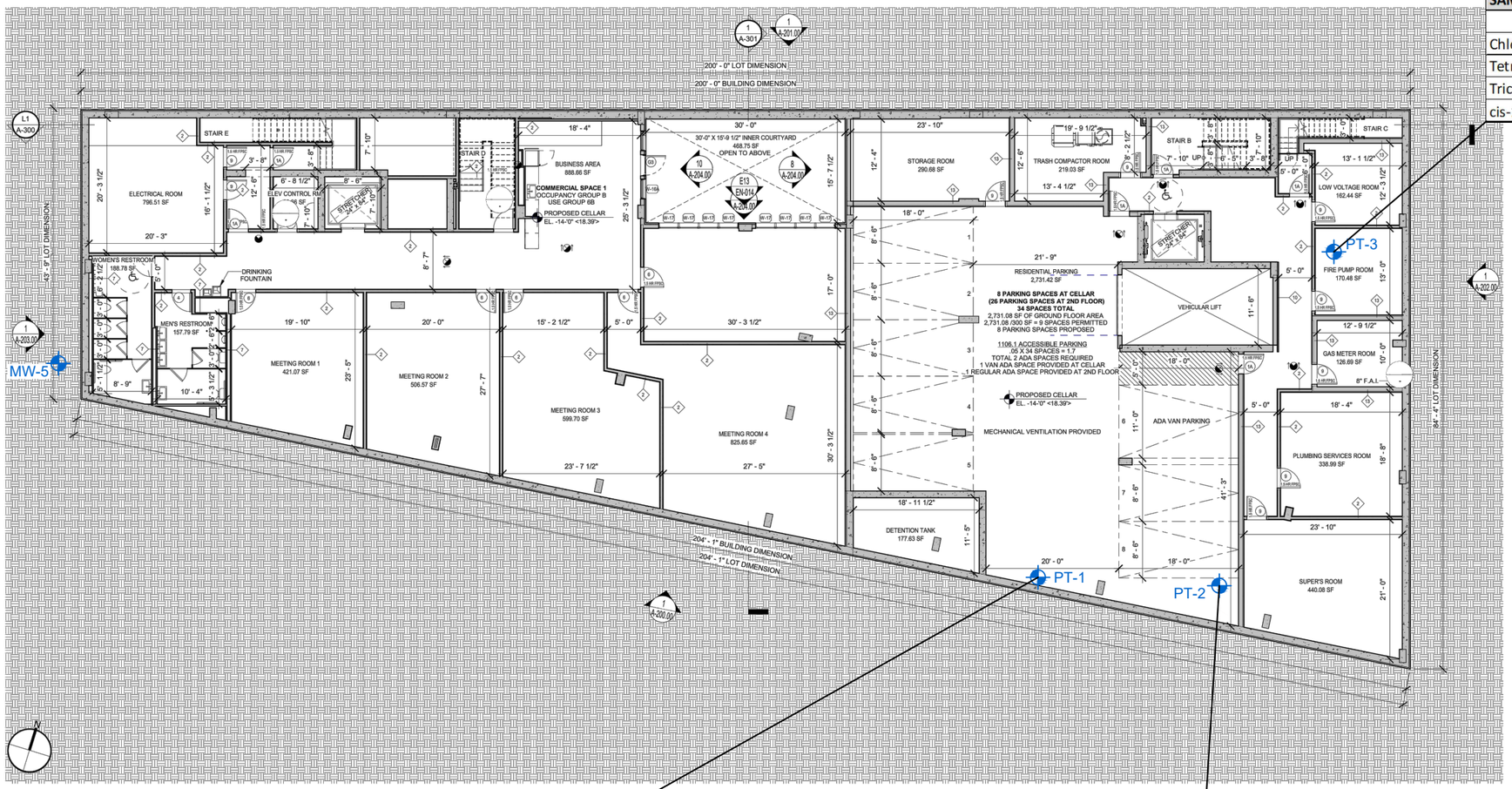
SITE LOCATION MAP

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
PREFERRED BUILDERS

PROJ MGR: DW	REVIEWED BY: DW	CHECKED BY: DW	FIGURE 1
DESIGNED BY: SW	DRAWN BY: MT	SCALE: 1" = 2,000'	
DATE: AUGUST 2022	PROJECT NO. 12.0076834.00	REVISION NO.	SHEET NO.

Figure 2 Groundwater Exceedances



LOCATION	NY-AWQS	NY-TOGS-GA	PT-3
SAMPLING DATE			3/8/2023
LAB SAMPLE ID			L2312234-01
SAMPLE DEPTH (ft.)			WATER
			µg/l
Chloroform	7	7	4.5
Tetrachloroethene	5	5	31
Trichloroethene	5	5	1.4
cis-1,2-Dichloroethene	5	5	ND

LOCATION	NY-AWQS	NY-TOGS-GA	PT-1
SAMPLING DATE			3/8/2023
LAB SAMPLE ID			L2312234-03
SAMPLE DEPTH (ft.)			WATER
			µg/l
Chloroform	7	7	5
Tetrachloroethene	5	5	62
Trichloroethene	5	5	2.6
cis-1,2-Dichloroethene	5	5	ND

LOCATION	NY-AWQS	NY-TOGS-GA	PT-2
SAMPLING DATE			3/8/2023
LAB SAMPLE ID			L2312234-04
SAMPLE DEPTH (ft.)			WATER
			µg/l
Chloroform	7	7	5
Tetrachloroethene	5	5	46
Trichloroethene	5	5	2
cis-1,2-Dichloroethene	5	5	ND

LEGEND:

MONITORING WELL LOCATION

NOTES:

1. THE BASE MAP WAS DEVELOPED FROM AN ELECTRONIC FILE PROVIDED BY: J FRANKL C MALLEA ASSOCIATES ARCHITECTS & ENGINEERS, ENTITLED: PROPOSED CELLAR PLAN, DATED: 10/24/2019, ORIGINAL SCALE: ⅛" = 1', DRAWING NUMBER: A-100.00.

N W E S

0 10' 20' 40'

SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

205 PARK AVENUE
BROOKLYN, NEW YORK

GROUNDWATER EXCEEDANCES

ERNEST R. HANNA

NY PROFESSIONAL ENGINEER
LICENSE #: 065440

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
462 LEXINGTON, LLC.

PROJ MGR: ZS	REVIEWED BY: ZS	CHECKED BY: DW	FIGURE
DESIGNED BY: MT	DRAWN BY: MB	SCALE: 1" = 20'	2
DATE: MAY 2023	PROJECT NO. 12.0076834.20	REVISION NO.	SHEET NO.

ATTACHMENT A

Low Flow Sampling Data Sheets

Low Flow Monitoring Well Purge Form

Well Number: PT-1
State Permit No.:
Project Name: 205 Porter Ave
Project Number: 12.0076834.20
Sampling Date: 3-8-22
Weather: Sunny/indoors
Sampled By: JM

Well Information

Well Type: X Monitor ___ Other:
Well Diameter (in): 2
Water Level (ft below TIC): 14.1
Well Depth (ft below TIC): 27.3
Well Notes (Odor, well condition, etc.):
Well Construction: X PVC ___ Steel ___ Other:
Well Screened interval: 7 to 27 feet below TIC
PID Headspace Reading (ppm): 0.4
Product Level-if present (ft below TIC)

Purging Information

Purge Method: X Low Flow ___ Other:
Pump Start Time:
Pump: X Submersible Pump (2-inch) ___ Peristaltic ___ Other:
Pump intake depth (ft below TIC): 17 **Purge water discharged to:** ___ Ground X Drum ___ Other:
Tubing: ___ Polyethylene ___ Teflon-line ___ Other: / ___ New ___ Dedicated

Time (HH:MM)	Temp (°C)	pH (S.U.)	D.O. (mg/L)	Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Rate (mL/min)	DTW (ft)	____	Notes
1015	13.87	7.79	3.76	1.12	228	107	175	14.1		
1020	14.62	7.62	3.08	1.15	214	115	175	14.31		
1025	14.59	7.81	2.66	1.15	195	143	175	14.31		
1030	14.34	7.87	1.81	1.16	191	154	175	14.31		
1035	14.10	7.86	1.64	1.16	192	131	175	14.32		
1040	14.13	7.86	1.61	1.17	193	105	175	14.34		
1045	14.15	7.85	1.63	1.17	193	87.0	175	14.33		
1050	14.21	7.85	1.48	1.17	192	86.4	175	14.35		
1055	14.27	7.85	1.46	1.17	192	82.1	175	14.35		
1105	14.27	7.85	1.51	1.17	192	79.8	175	14.30		POST-SAMPLING MEASUREMENTS

Total Volume Purged (gal): ~2 **Water Quality Meter(s):** Horiba U-5000, Geotech turbidmeter

INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: +/- 0.1 for pH; +/-3% for Specific Conductivity and Temperature; +/-10 mV for Redox Potential; +/-10% for turbidity values greater than 1 NTU; +/-10% for Dissolved Oxygen.

Sample Information

Groundwater Sample Field ID: PT-1
Sampling Time: 11 **Sampling End Time:** 1102
Sampling Method: X Same as Above ___ Other:
Duplicate Sample Collected? ___ Yes X No **DUP ID:** **Sampling Time:**
Sampling Observations:

Low Flow Monitoring Well Purge Form

Well Number: PT-2
State Permit No.:
Project Name: 205 Perry Avenue
Project Number: B.0006834.20
Sampling Date: 3-8-23
Weather: Sunny/indoors
Sampled By: SM

Well Information

Well Type: X Monitor ___ Other:
Well Diameter (in): 2
Water Level (ft below TIC): 14.04
Well Depth (ft below TIC): 30.5
Well Notes (Odor, well condition, etc.):
Well Construction: X PVC ___ Steel ___ Other:
Well Screened interval: 9 to 29 feet below TIC
PID Headspace Reading (ppm): 0.3
Product Level-if present (ft below TIC)

Purging Information

Purge Method: X Low Flow ___ Other:
Pump: X Submersible Pump (2-inch) ___ Peristaltic ___ Other:
Pump intake depth (ft below TIC):
Tubing: ___ Polyethylene ___ Teflon-line ___ Other:
Pump Start Time:
Purge water discharged to: ___ Ground X Drum ___ Other:
/ ___ New ___ Dedicated

Time (HH:MM)	Temp (°C)	pH (S.U.)	D.O. (mg/L)	Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Rate (mL/min)	DTW (ft)	____	Notes
1135	14.70	7.68	7.12	215	217	409	175	14.05		
1140	14.77	7.65	3.32	1.24	212	303	175	14.05		
1145	14.51	7.76	3.57	1.23	213	217	175	14.05		
1150	14.60	7.77	3.28	1.22	214	107	175	14.05		
1155	14.59	7.76	2.99	1.22	216	117	175	14.05		
1200	14.60	7.77	2.89	1.23	216	110	175	14.05		
1205	14.62	7.74	2.88	1.22	218	91.7	175	14.05		
1210	14.69	7.77	2.81	1.23	218	89.8	175	14.05		
1215	14.77	7.78	2.79	1.23	218	88.4	175	14.05		
1220	14.77	7.78	2.76	1.23	218	89.4	175	14.05		
1225										
1230										
1225	14.76	7.77	2.77	1.23	218	86.6	175	14.05		POST-SAMPLING MEASUREMENTS

Total Volume Purged (gal): 1.5
Water Quality Meter(s):

INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: +/- 0.1 for pH; +/-3% for Specific Conductivity and Temperature; +/-10 mV for Redox Potential; +/-10% for turbidity values greater than 1 NTU; +/-10% for Dissolved Oxygen.

Sample Information

Groundwater Sample Field ID: PT-2
Sampling Time: 1222
Sampling End Time: 1224
Sampling Method: X Same as Above ___ Other:
Duplicate Sample Collected? ___ Yes X No **DUP ID:** **Sampling Time:**
Sampling Observations:

Low Flow Monitoring Well Purge Form

Well Number: PT-3
State Permit No.:
Project Name: 205 Park Ave
Project Number: 12.0076834.20

Sampling Date: 3-8-23
Weather: Sunny / indoors
Sampled By: SA

Well Information

Well Type: X Monitor ___ Other:
Well Diameter (in): 2
Water Level (ft below TIC): 13.9
Well Depth (ft below TIC): 30.31
Well Notes (Odor, well condition, etc.):

Well Construction: X PVC ___ Steel ___ Other:
Well Screened interval: 9 to 29 feet below TIC
PID Headspace Reading (ppm): 0.1
Product Level-if present (ft below TIC)

Purging Information

Purge Method: X Low Flow ___ Other:
Pump Start Time: 815
Pump: X Submersible Pump (2-inch) ___ Peristaltic ___ Other:
Pump intake depth (ft below TIC): 19 Purge water discharged to: ___ Ground X Drum ___ Other:
Tubing: ___ Polyethylene ___ Teflon-line ___ Other: / ___ New ___ Dedicated

Time (HH:MM)	Temp (°C)	pH (S.U.)	D.O. (mg/L)	Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Rate (mL/min)	DTW (ft)	____	Notes
815	14.67	7.73	5.91	1.04	184	635	150	13.94		
820	14.78	7.70	3.11	1.03	193	421	150	13.90		
825	14.83	7.69	4.83	1.04	195	337	150	13.90		
830	14.65	7.68	4.58	1.03	200	293	150	13.90		
835	14.39	7.70	3.57	1.04	202	282	150	13.90		
840	14.85	7.67	4.35	1.04	204	218	150	13.9		
845	15.12	7.67	4.20	1.04	206	188	150	13.9		
850	15.17	7.68	4.15	1.05	206	155	150	13.9		
855	15.23	7.68	4.06	1.05	207	142	150	13.9		
900	14.95	7.69	2.98	1.05	207	125	150	13.9		
905	14.94	7.69	2.94	1.05	209	107	150	13.9		
910	14.89	7.69	2.96	1.05	210	104	150	13.9		
915	14.90	7.69	2.95	1.04	205	106	150	13.9		
919	14.90	7.69	2.91	1.05	207	96.4	150	13.9		POST-SAMPLING MEASUREMENTS

Total Volume Purged (gal): ~3
Water Quality Meter(s): Horiba U-5000, Geotech Turbidmeter

INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: +/- 0.1 for pH; +/-3% for Specific Conductivity and Temperature; +/-10 mV for Redox Potential; +/-10% for turbidity values greater than 1 NTU; +/-10% for Dissolved Oxygen.

Sample Information

Groundwater Sample Field ID: PT-3
Sampling Time: 9:17 Sampling End Time: 9:19
Sampling Method: X Same as Above ___ Other:
Duplicate Sample Collected? X Yes ___ No DUP ID: DUP Sampling Time: 9:20
Sampling Observations:

ATTACHMENT B

Laboratory Data Packages

ANALYTICAL REPORT

Lab Number:	L2312234
Client:	GZA GeoEnvironmental, Inc. 55 Lane Road Suite 407 Fairfield, NJ 07004
ATTN:	Zhan Shu
Phone:	(201) 744-0118
Project Name:	205 PARK AVENUE
Project Number:	12.0076834.20
Report Date:	03/14/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 205 PARK AVENUE
Project Number: 12.0076834.20

Lab Number: L2312234
Report Date: 03/14/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2312234-01	PT-3	WATER	205 PARK AVENUE, BROOKLYN, NY	03/08/23 09:17	03/08/23
L2312234-02	DUP	WATER	205 PARK AVENUE, BROOKLYN, NY	03/08/23 09:20	03/08/23
L2312234-03	PT-1	WATER	205 PARK AVENUE, BROOKLYN, NY	03/08/23 11:00	03/08/23
L2312234-04	PT-2	WATER	205 PARK AVENUE, BROOKLYN, NY	03/08/23 12:22	03/08/23

Project Name:	205 PARK AVENUE	**Lab Number:**	L2312234
Project Number:	12.0076834.20	**Report Date:**	03/14/23

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:	205 PARK AVENUE	**Lab Number:**	L2312234
Project Number:	12.0076834.20	**Report Date:**	03/14/23

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.

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: Caitlin Walukevich

Title: Technical Director/Representative Date: 03/14/23

ORGANICS

VOLATILES

Project Name: 205 PARK AVENUE
Project Number: 12.0076834.20
Lab Number: L2312234
Report Date: 03/14/23

SAMPLE RESULTS

Lab ID: L2312234-01
Client ID: PT-3
Sample Location: 205 PARK AVENUE, BROOKLYN, NY
Date Collected: 03/08/23 09:17
Date Received: 03/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/11/23 13:08
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	4.3		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	31		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 205 PARK AVENUE **Lab Number:** L2312234

Project Number: 12.0076834.20 **Report Date:** 03/14/23

SAMPLE RESULTS

Lab ID: L2312234-01 Date Collected: 03/08/23 09:17

Client ID: PT-3 Date Received: 03/08/23

Sample Location: 205 PARK AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.4		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 205 PARK AVENUE **Lab Number:** L2312234

Project Number: 12.0076834.20 **Report Date:** 03/14/23

SAMPLE RESULTS

Lab ID: L2312234-01 Date Collected: 03/08/23 09:17

Client ID: PT-3 Date Received: 03/08/23

Sample Location: 205 PARK AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	109		70-130

Project Name: 205 PARK AVENUE
Project Number: 12.0076834.20
Lab Number: L2312234
Report Date: 03/14/23

SAMPLE RESULTS

Lab ID: L2312234-02
Client ID: DUP
Sample Location: 205 PARK AVENUE, BROOKLYN, NY
Date Collected: 03/08/23 09:20
Date Received: 03/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/11/23 13:30
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	4.5		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	31		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 205 PARK AVENUE **Lab Number:** L2312234

Project Number: 12.0076834.20 **Report Date:** 03/14/23

SAMPLE RESULTS

Lab ID: L2312234-02 Date Collected: 03/08/23 09:20

Client ID: DUP Date Received: 03/08/23

Sample Location: 205 PARK AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.4		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 205 PARK AVENUE **Lab Number:** L2312234

Project Number: 12.0076834.20 **Report Date:** 03/14/23

SAMPLE RESULTS

Lab ID: L2312234-02 Date Collected: 03/08/23 09:20

Client ID: DUP Date Received: 03/08/23

Sample Location: 205 PARK AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	110		70-130

Project Name: 205 PARK AVENUE **Lab Number:** L2312234

Project Number: 12.0076834.20 **Report Date:** 03/14/23

SAMPLE RESULTS

Lab ID: L2312234-03 Date Collected: 03/08/23 11:00

Client ID: PT-1 Date Received: 03/08/23

Sample Location: 205 PARK AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 03/11/23 13:53

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	5.0		ug/l	2.5	0.70	1
Carbon tetrachloride	0.17	J	ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	62		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 205 PARK AVENUE **Lab Number:** L2312234

Project Number: 12.0076834.20 **Report Date:** 03/14/23

SAMPLE RESULTS

Lab ID: L2312234-03 Date Collected: 03/08/23 11:00

Client ID: PT-1 Date Received: 03/08/23

Sample Location: 205 PARK AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2.6		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 205 PARK AVENUE **Lab Number:** L2312234

Project Number: 12.0076834.20 **Report Date:** 03/14/23

SAMPLE RESULTS

Lab ID: L2312234-03 Date Collected: 03/08/23 11:00

Client ID: PT-1 Date Received: 03/08/23

Sample Location: 205 PARK AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	110		70-130

Project Name: 205 PARK AVENUE
Project Number: 12.0076834.20
Lab Number: L2312234
Report Date: 03/14/23

SAMPLE RESULTS

Lab ID: L2312234-04
Client ID: PT-2
Sample Location: 205 PARK AVENUE, BROOKLYN, NY
Date Collected: 03/08/23 12:22
Date Received: 03/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/11/23 14:15
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	5.0		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	46		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 205 PARK AVENUE **Lab Number:** L2312234

Project Number: 12.0076834.20 **Report Date:** 03/14/23

SAMPLE RESULTS

Lab ID: L2312234-04 Date Collected: 03/08/23 12:22

Client ID: PT-2 Date Received: 03/08/23

Sample Location: 205 PARK AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 205 PARK AVENUE **Lab Number:** L2312234

Project Number: 12.0076834.20 **Report Date:** 03/14/23

SAMPLE RESULTS

Lab ID: L2312234-04 Date Collected: 03/08/23 12:22

Client ID: PT-2 Date Received: 03/08/23

Sample Location: 205 PARK AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	112		70-130

Project Name: 205 PARK AVENUE
Project Number: 12.0076834.20
Lab Number: L2312234
Report Date: 03/14/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/11/23 12:46
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1754356-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 205 PARK AVENUE
Project Number: 12.0076834.20
Lab Number: L2312234
Report Date: 03/14/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/11/23 12:46
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1754356-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 205 PARK AVENUE
Project Number: 12.0076834.20
Lab Number: L2312234
Report Date: 03/14/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/11/23 12:46
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1754356-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	111		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 205 PARK AVENUE
Project Number: 12.0076834.20

Lab Number: L2312234
Report Date: 03/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1754356-3 WG1754356-4								
Methylene chloride	91		93		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	95		99		70-130	4		20
Dibromochloromethane	94		95		63-130	1		20
1,1,2-Trichloroethane	95		99		70-130	4		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	96		97		70-130	1		20
1,1,1-Trichloroethane	99		100		67-130	1		20
Bromodichloromethane	92		96		67-130	4		20
trans-1,3-Dichloropropene	82		84		70-130	2		20
cis-1,3-Dichloropropene	86		89		70-130	3		20
1,1-Dichloropropene	97		100		70-130	3		20
Bromoform	86		89		54-136	3		20
1,1,2,2-Tetrachloroethane	83		84		67-130	1		20
Benzene	100		100		70-130	0		20
Toluene	99		100		70-130	1		20
Ethylbenzene	94		97		70-130	3		20
Chloromethane	90		92		64-130	2		20
Bromomethane	79		77		39-139	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 205 PARK AVENUE
Project Number: 12.0076834.20

Lab Number: L2312234
Report Date: 03/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1754356-3 WG1754356-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	93		99		61-145	6		20
trans-1,2-Dichloroethene	96		99		70-130	3		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	98		89		63-130	10		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	96		100		70-130	4		20
1,2,3-Trichloropropane	92		93		64-130	1		20
Acrylonitrile	100		100		70-130	0		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	120		120		58-148	0		20
Carbon disulfide	99		100		51-130	1		20
2-Butanone	84		84		63-138	0		20
Vinyl acetate	**58**	Q	**60**	Q	70-130	3		20
4-Methyl-2-pentanone	74		74		59-130	0		20
2-Hexanone	70		72		57-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 205 PARK AVENUE
Project Number: 12.0076834.20

Lab Number: L2312234
Report Date: 03/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1754356-3 WG1754356-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	84		87		63-133	4		20
1,2-Dibromoethane	92		93		70-130	1		20
1,3-Dichloropropane	92		95		70-130	3		20
1,1,1,2-Tetrachloroethane	98		100		64-130	2		20
Bromobenzene	98		99		70-130	1		20
n-Butylbenzene	92		94		53-136	2		20
sec-Butylbenzene	93		96		70-130	3		20
tert-Butylbenzene	91		94		70-130	3		20
o-Chlorotoluene	81		83		70-130	2		20
p-Chlorotoluene	92		94		70-130	2		20
1,2-Dibromo-3-chloropropane	84		83		41-144	1		20
Hexachlorobutadiene	89		90		63-130	1		20
Isopropylbenzene	90		93		70-130	3		20
p-Isopropyltoluene	90		92		70-130	2		20
Naphthalene	84		86		70-130	2		20
n-Propylbenzene	92		94		69-130	2		20
1,2,3-Trichlorobenzene	92		94		70-130	2		20
1,2,4-Trichlorobenzene	89		91		70-130	2		20
1,3,5-Trimethylbenzene	93		95		64-130	2		20
1,2,4-Trimethylbenzene	92		94		70-130	2		20
1,4-Dioxane	84		86		56-162	2		20
p-Diethylbenzene	88		90		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 205 PARK AVENUE
Project Number: 12.0076834.20

Lab Number: L2312234
Report Date: 03/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1754356-3 WG1754356-4								
p-Ethyltoluene	92		93		70-130	1		20
1,2,4,5-Tetramethylbenzene	75		80		70-130	6		20
Ethyl ether	95		96		59-134	1		20
trans-1,4-Dichloro-2-butene	73		74		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	89		89		70-130
Dibromofluoromethane	104		104		70-130

Project Name: 205 PARK AVENUE
Project Number: 12.0076834.20

Lab Number: L2312234
Report Date: 03/14/23

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(*)
L2312234-01A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2312234-01B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2312234-01C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2312234-02A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2312234-02B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2312234-02C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2312234-03A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2312234-03B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2312234-03C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2312234-04A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2312234-04B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2312234-04C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	205 PARK AVENUE	**Lab Number:**	L2312234
Project Number:	12.0076834.20	**Report Date:**	03/14/23

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:	205 PARK AVENUE	**Lab Number:**	L2312234
Project Number:	12.0076834.20	**Report Date:**	03/14/23

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	205 PARK AVENUE	**Lab Number:**	L2312234
Project Number:	12.0076834.20	**Report Date:**	03/14/23

Data Qualifiers

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.

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	205 PARK AVENUE	**Lab Number:**	L2312234
Project Number:	12.0076834.20	**Report Date:**	03/14/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; 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.
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, SM9222D.**

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, EPA 537.1.

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

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8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
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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: 3/9/23

ALPHA Job #: L2312234

Client Information

Client: G2A GeoEnvironmental
Address: 55 Lane Road, Suite 402, Fairfield NJ
Phone: 201-213-6128
Fax:
Email: Zhan.Shu@g2a.com

Project Information

Project Name: 205 Park Avenue
Project Location: 205 Park Avenue, Brooklyn, NY
Project #: 12.0076854.20
(Use Project name as Project #) ☐
Project Manager: Zhan Shu
ALPHAQuote #:

Turn-Around Time

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

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 #

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

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

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs								Sample Specific Comments	Total Bottle
12234-01	PT-3	3-8-23	9:17	GW	SM	X									
02	DUP		9:20			X									
03	PT-1		11:00			X									
04	PT-2		12:22			X									

Container Type: V
Preservative: B

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
Zhan Shu	3-8-23	MSMB (1st)	3/8/23 1650
MSMB (2nd)	3/8/23 1945	QAA	3/8/23 2100
QAA	3/8/23	[illegible]	3/9/23 2350
[illegible]	3/9/23 0140		3/9/23 0140

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.)

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