



May 14, 2024

Mr. Aaron Fischer
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, Albany, New York 12233

Re: *Spill 23-08807 Remedial Work Plan*
318 Nevins Street, Brooklyn, NY
NYSDEC Site Number: C224350

Dear Mr. Fischer:

Impact Environmental has prepared this Remedial Work Plan for Spill 23-08807 that was generated when an unregistered 550-gallon steel UST was located in the northern portion of the site. The Site is participating in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP Site No. C224350). The work described herein was performed in accordance with the Remedial Action Work Plan (RAWP) approved on October 12, 2023, and the DER-10 Technical Guidance for Site Investigation and Remediation (May 2010).

Spill 23-08807 at Tank 11

On February 2, 2024, an unregistered 550-gallon steel UST was discovered encased in concrete within Alpha Numeric Grid O6. The tank can be identified as a gasoline tank on the 1938 and 1950 Sanborn Maps included in the Hydro Tech Environmental, Corp., Phase I Environmental Site Assessment (ESA) report dated August 13, 2012. On February 5, 2024, limited excavation was initiated to determine the extent of the concrete encasement and NYSDEC Spill 23-08807 was generated when petroleum odors and stained soil was noted within the excavation area (refer to the Alpha Numeric Grid Map on **Figure 1**). Excavation activity was halted, and the area was sprayed with ATMOS foam. The contents of the tank were measured and found to contain approximately forty-five (45) inches of a gasoline/water mixture. The tank was subsequently pumped out on February 7, 2024, by PAL Environmental Services and approximately 530 gallons of gasoline/water mixture was removed from the tank and disposed of at Advanced Waste & Water Technology, Inc. located at 208 Route 109, Farmingdale, NY. Following the pump out the excavation area was layered with poly sheeting and temporarily backfilled. On March 1, 2024, the tank was removed and was scrapped on March 4, 2024 by PAL at Allocco Recycling located at 540 Kingsland Avenue, Brooklyn, NY.

On March 12, 2024, soil excavation and sidewall and endpoint sampling were conducted in the spill area. Four (4) sidewalls were collected from approximately 8-9 feet bgs and one (1) bottom sample (EP-90) was collected at approximately 11 feet bgs. Analytical results from the sidewall and bottom samples showed exceedances of gasoline-related VOCs in all samples, except for the northern sidewall collected at the property line along Union Street. After the sample collection the spill area was temporarily backfilled to grade surface.

On March 13, 2024, additional excavation was conducted in the spill area to further delineate the boundary of the spill. During excavation activities ATMOS foam was applied to the spill area and soil stockpile, however excavation activities were halted due to odors. DEC requested that an alternative odor suppression technique should be utilized for continuation of excavation activities. The excavation area was subsequently backfilled to grade surface.

On March 26 and 29, 2024, a total of seven (7) delineation soil borings were installed as part of the delineation for the spill area. DB-1 was advanced to a total depth of 25 feet bgs and DB-2 through DB-7 were advanced to a total depth of 20 feet bgs. A total of 30 samples were collected to investigate the horizontal and vertical extent of the spill contamination area. Soil analytical results were compared to Part 375 Protection of Groundwater (PGW) SCOs. Analytical results from DB-1 located in the center of grid O6 showed exceedances of gasoline-related compounds in the ten (10) and fifteen (15) foot interval samples, and analytical results from DB-6 located east of DB-1, in grid O7, showed exceedances of gasoline-related compounds in the fifteen (15) foot interval sample. The remainder of samples collected showed no exceedances of gasoline-related VOC compounds. See **Figure 2** for the location of each soil boring and delineation of the spill area, **Figure 3** for the surveyed locations (with coordinates) of the borings, **Appendix B** for the soil boring logs and **Appendix A** for the photo log. **Table 3** includes the coordinates for the surveyed delineation borings.

Additional delineation borings are proposed to further refine the extent of the spill area:

- Between the failed western sidewall sample and DB-2,
- Between the failed western sidewall sample and DB-3,
- Between the failed DB-6 (15) sample and DB-7,
- Between the failed eastern sidewall sample and DB-5;

See **Figure 2** for the proposed additional boring locations.

Remedial Work Plan

The proposed remedial excavation will extend to approximately twenty (20) feet below grade within grid EP-90. Support of Excavation (SOE) sheeting will be installed and will extend to 20 feet bgs and encompass approximately 65 feet east/west along Union Street with 10-foot-long wings extending north/south into grids O5 and O7. The open (south) side of the sheeting will be sloped in 1:1 or 1:1.5 depending on soil conditions. The sheeting design may be modified based on the results of the borings only after receiving approval from NYSDEC.

Visual, olfactory, and/or photoionization detector (PID) soil screening and assessment will be performed during excavation activities of the spill area and when site conditions indicate clean material has been reached, confirmation sampling will be conducted for the spill area. Soils generated as part of the spill remedial activities will be disposed of off-site in accordance with the RAWP, NYSDEC DER-10 and NYSDEC PBS Regulations.

Documentation and Endpoint Sampling

Sidewall samples will be collected at a frequency of 1 sample per thirty (30) linear feet of sidewall, and two bottom/endpoint samples will be collected within grid O6. Sidewall soil samples will be analyzed for CP-51 VOCs via EPA Method 8260 and bottom/endpoint samples will be analyzed for TCL VOCs and SVOCs, TCL PCBs and Pesticides, TAL Metals, Total Cyanide and Mercury, Arsenic, Hexavalent Chromium, 1,4- Dioxane, and NYDEC List PFAS in accordance with the RAWP. It should be noted that sidewall samples will not be collected along the boundary of the excavations where sheeting will be installed.

Odor Control Plan

During excavation of the spill area, odor suppression techniques will be employed to contain and suppress odors in accordance with the Odor, Dust and Nuisance Control Plan in the approved RAWP. In addition to the two ATMOS foam units currently being utilized at the site, a Hydrocarbon Mitigation Agent (HMA) will be used (ATMOS HMA SL-2000 EF). The ATMOS odor neutralizer is an odor neutralizing system that converts odor-causing materials into odor free, stable, non-harmful compounds. The odor neutralizing agent comes in a liquid form and is applied via pressure washer(s) or other delivery systems. The SDS and spec sheets of both odor control agents are included in **Appendix D**. Dedicated laborers will be used to continuously spray each foam and odor neutralizer unit during all excavation, loading, staging and/or stockpiling. The contractor will apply the HMA in the open excavation and the foam as contaminated soil is being exposed during the excavation process. The HMA can be applied at ground level to mitigate odors and the foam will encapsulate the remainder of the odors present during active excavation. According to ATMOS, there are no adverse effects or interactions when using the foam and the HMA at the same time.

Based on the current SOE design, the excavation will be completed in two sections (eastern and western section) with a support sheeting wall between them to limit the extent of open excavation. One section of the excavation will be completed before commencing with the second section. The excavation will be conducted with a JCB JZ141 excavator with a bucket width of 36-inches and a capacity of 1.16 cubic yards. The impacted soil will be approved for offsite disposal to an appropriate facility in advance of excavation to allow live loading, which is the preferred removal method. Excavated soils will be live-loaded directly into approved trucks. If stockpiling is necessary, the location of the stockpile will be placed at a minimum safe distance from the excavation to limit the unnecessary movement of odorous soils. If live loading cannot be performed, stockpiled soil will be placed on top of poly sheeting and sprayed immediately with ATMOS foam and the ATMOS HMA 2000 before being covered by poly sheeting. The stockpiles will be covered immediately after reaching approximately 50CY to limit the duration of time for a stockpile to be open/exposed.

A CAMP station will be situated at the corner of Nevins Street and Union Street directly downwind of the spill area to monitor fugitive odors. An additional handheld PID will be used in the general vicinity of the excavation to monitor VOC concentrations. Should any nuisance odors be detected at the boundary of the excavation and/or any exceedances are identified on the CAMP or handheld PID above thresholds outlined in the approved CAMP, work will be halted, and the source of the odors will be corrected. Work will not resume until all nuisance odors have been abated.

Quantitative Assessment of Off-Site Plume Migration

An evaluation was conducted to assess the potential migration of the spill offsite. Groundwater results of immediately adjacent sentinel groundwater monitoring well sampling were reviewed. Groundwater well HRP-MW-5A is located in the sidewalk adjacent to Grid O7 and HRP-MW-5B is located east of the spill area within grid O7. Groundwater well HRP-MW-3 is located north of the spill area off-site across Union Street. See **Figure 2** for the groundwater monitoring well locations. Analytical results from multiple sampling events conducted between January 25, 2024 to April 16, 2024 showed no gasoline-related VOC exceedances from HRP-MW-5A, HRP-MW-5B or HRP-MW-3. Analytical results of HRP-MW-5B and HRP-MW-3 showed exceedances of Tetrachloroethylene and/or Trichloroethene, however, these contaminants are documented to be from off-site sources related to other BCP sites and are not gasoline -related VOCs. See **Table 4** for the adjacent groundwater monitoring well analytical results.

In order to obtain supplemental data to verify the gasoline spill associated with Spill 23-08807 has not migrated offsite, two (2) additional monitoring wells will be installed within the sidewalk immediately adjacent to the north of the spill area. Placement of the wells will be subject to field conditions and the location of utilities. See

Figure 2 for the proposed groundwater monitoring well locations. Monitoring well MW-22 will be installed to the east of Grid O6 and monitoring well MW-23 will be installed east of Grid O5. The wells will be constructed of twenty (20) linear feet of 2-inch diameter (0.010 inch) schedule 40 PVC. The well will be installed with fifteen (15) feet of screen from 5 to 20 feet and the remainder will be installed with 5 feet of riser (2-inch diameter schedule 40 PVC). The outside of the well from its base to a point one foot above the highest screen section will be packed with clean filtration media (Morie sand). A two-foot bentonite seal will be packed around the casing above the filtration media. Drill cutting media will be placed above the bentonite seal to a point six inches below existing grade. Concrete will be used to fill the remaining six inches of open well casing in conjunction with the installation of a cast iron manhole with an access cover.

Reporting

Results of the remedial action, including documentation and endpoint sampling results and survey data will be submitted to NYSDEC in a Spill and UST Closure Report for approval.

Please contact me at (631) 269-8800 with any questions.

Sincerely,

IMPACT ENVIRONMENTAL



Alex Keenan

Project Geologist II

Cc: PBS Unit – Region 2, Via Email To pbs.r2@dec.ny.gov

Attachments-

Figure 1: Alpha Numeric Grid and UST Location Map

Figure 2: Spill 23-08807 Delineation Boring Location Map

Figure 3: Documentation and Endpoint Survey Location Map

Table 1: March 12, 2024, Soil Sample Analytical Results

Table 2: Delineation Boring Soil Sample Analytical Results

Table 3: Delineation Boring Survey Summary Table

Table 4: Sentinel Well Groundwater Analytical Results

Appendix A: Photo Log of Sampling and Excavation Activities

Appendix B: Boring Logs

Appendix C: Laboratory Reports

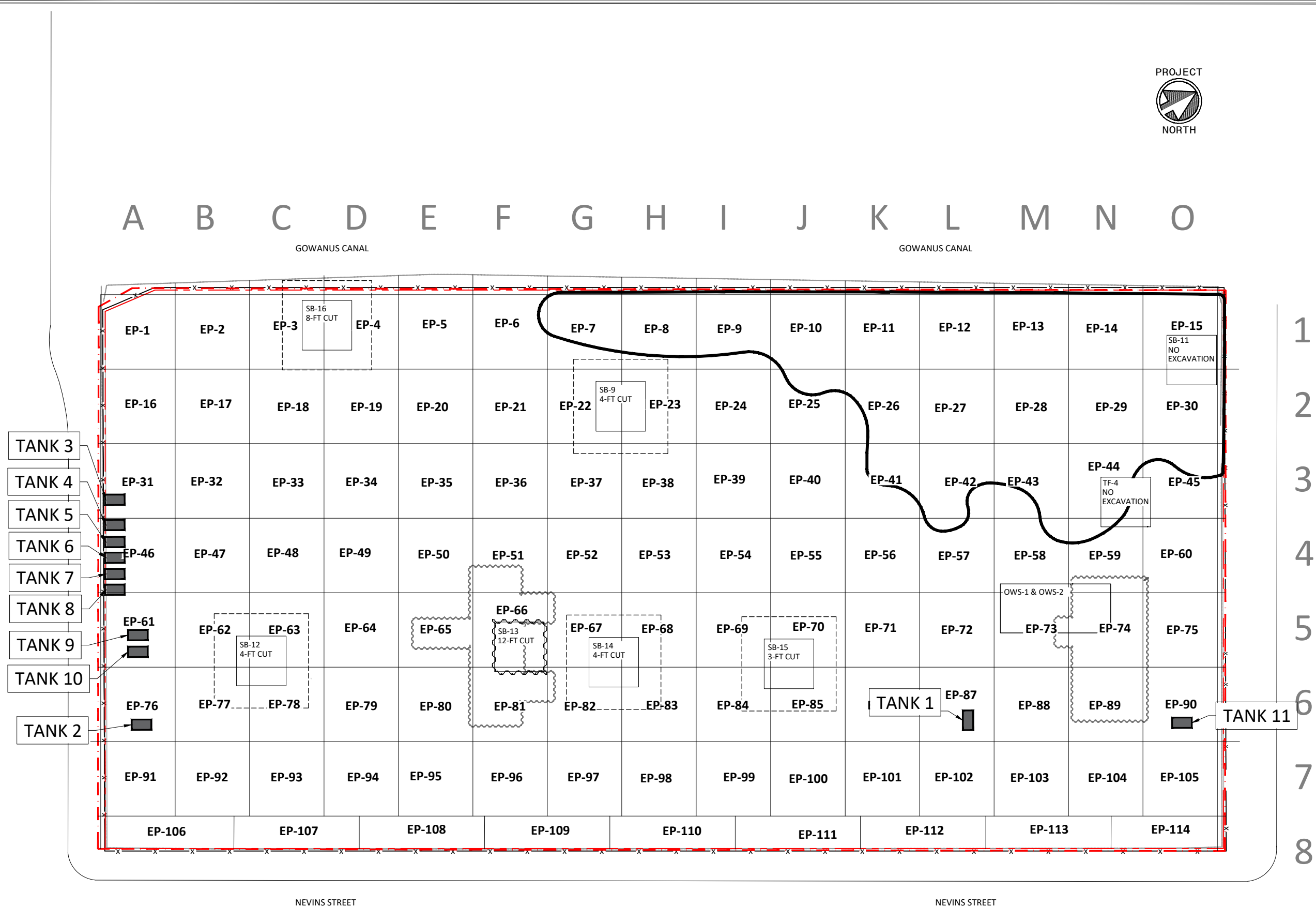
Appendix D: Odor Neutralizer SDS's/Specs

Appendix E: SOE Plan

Figure 1 – Alpha Numeric Grid and UST Location Map

318 Nevins Street, Brooklyn, NY





LEGEND

PROPERTY LINE

EXCAVATION SLOPE

ISS/ISGS TREATMENT AREA

UST LOCATION

ALPHANUMERIC GRID AND
UST LOCATION MAP

318 Nevins Street
Brooklyn, New York

Figure No. 01

PROJECT NO.	15977-01
DESIGNED BY:	AB
DRAWN BY:	AB
CHECKED BY:	KK
DATE:	3/25/2024
SCALE:	1" = 40'
REVISIONS	

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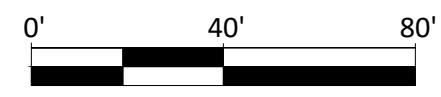
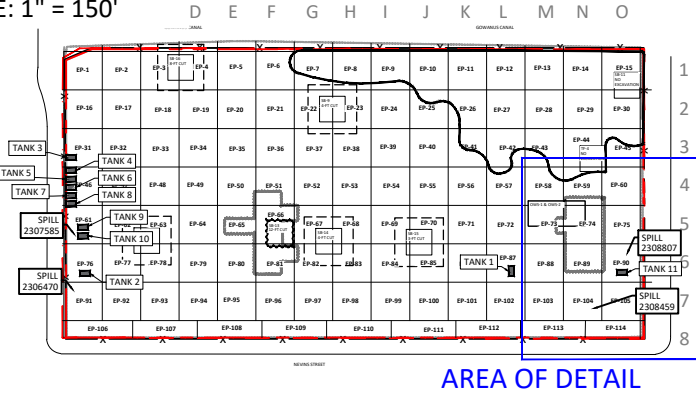


**Figure 2 – Spill 23-08807 Delineation Boring Location
Map**

318 Nevins Street, Brooklyn, NY



KEY MAP
SCALE: 1" = 150'



LEGEND

- PROPERTY LINE
- EXCAVATION SLOPE
- ISS/ISGS TREATMENT AREA
- EXTENT OF EXCAVATION
- UST LOCATION
- ENDPOINT SAMPLE RESULT PASSED PGW SCO
- ENDPOINT SAMPLE RESULT FAILED PGW SCO
- PROPOSED ADDITIONAL DELINEATION SAMPLE
- PROPOSED SIDEWALL/BASE SAMPLE
- MONITORING WELL LOCATION
- PROPOSED MONITORING WELL LOCATION

- NOTES:
- DB-2 AND DB-7 WILL BE USED IN LIEU OF EAST AND WEST SIDEWALL SAMPLES.
 - EXCAVATION AND DEWATERING DEPTH WITHIN GRID EP-90 TO 20 FBG.

SPILL 2308807
DELINEATION BORING
LOCATION MAP

318 Nevins Street
Brooklyn, New York

Figure No. 02

PROJECT NO.	15977-01
DESIGNED BY:	AB
DRAWN BY:	AB
CHECKED BY:	KK
DATE:	5/14/2024
SCALE:	1" = 30'
REVISIONS	

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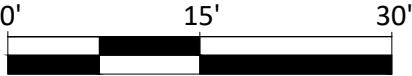
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HRP-MW-3



UNION STREET



EP-60

DB-2 (5')
DB-2 (10')
DB-2 (15')
DB-2 (20')

EXCAVATION SHEETING
INSTALLED TO 20 FBG

EP-75

10'

SPILL
2308807

EP-74

DB-3 (5')
DB-3 (10')
DB-3 (15')
DB-3 (20')

EP-73

20BSPILL#2308807-
SIDEWALL-S-03-12-24
(8-9)

EP-88

DB-4 (5')
DB-4 (10')
DB-4 (15')
DB-4 (20')

EP-89

EP-90 03-12-24
11'

EP-90

TANK 11

20BSPILL#2308807-
SIDEWALL-W-03-12-24
(8-9)

20BSPILL#2308807-
SIDEWALL-N-03-12-24
(8-9)

DB-1 (10')
DB-1 (15')
DB-1 (20')
DB-1 (25')

20BSPILL#2308807-
SIDEWALL-E-03-12-24
(8-9)

EP-105

DB-5 (5')
DB-5 (10')
DB-5 (15')
DB-5 (20')

EP-103

DB-6 (5')
DB-6 (10')
DB-6 (15')
DB-6 (20')

EP-104



HRP-MW-5A

HRP-MW-5B

DB-7 (5')
DB-7 (10')
DB-7 (15')
DB-7 (20')

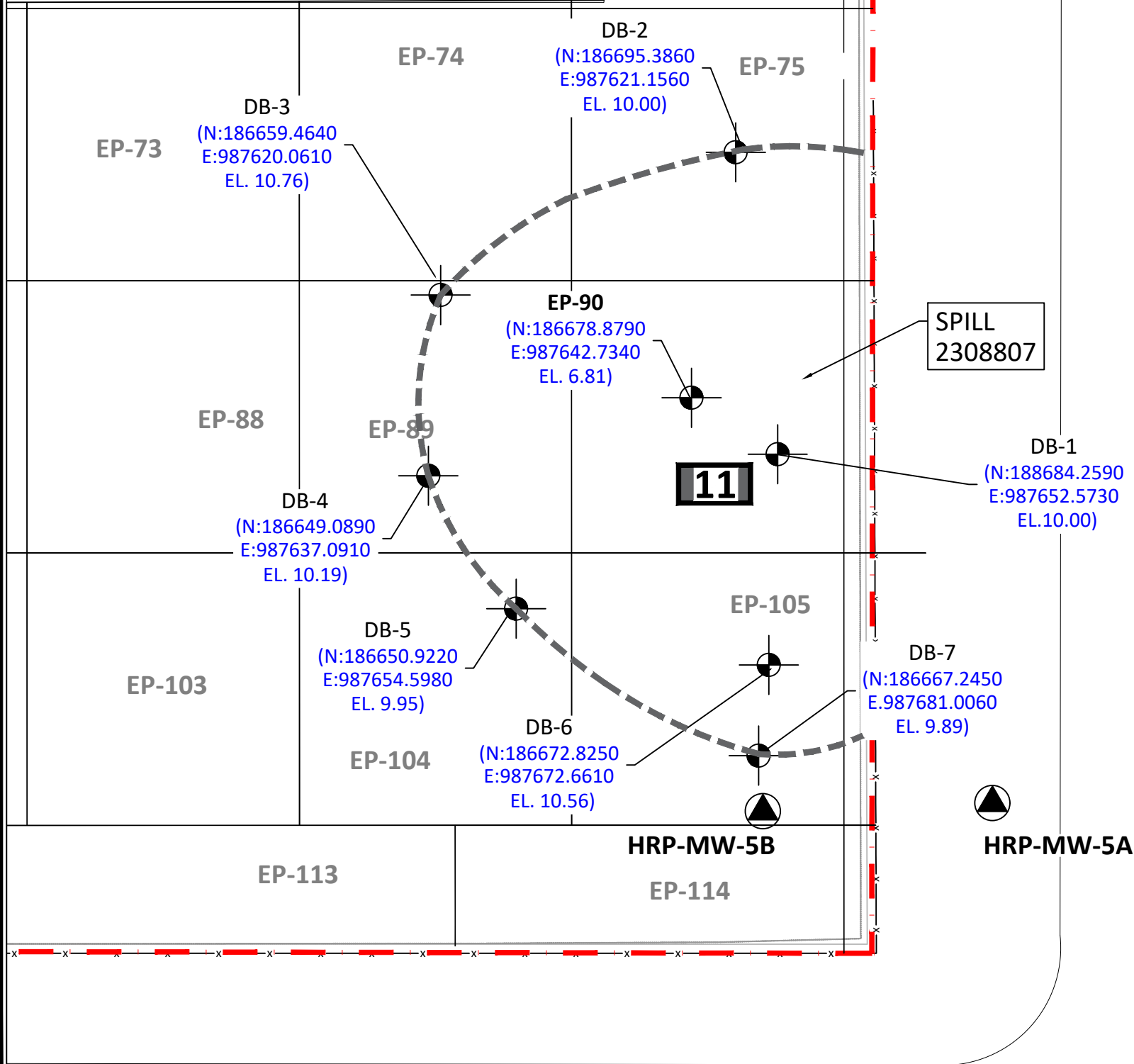
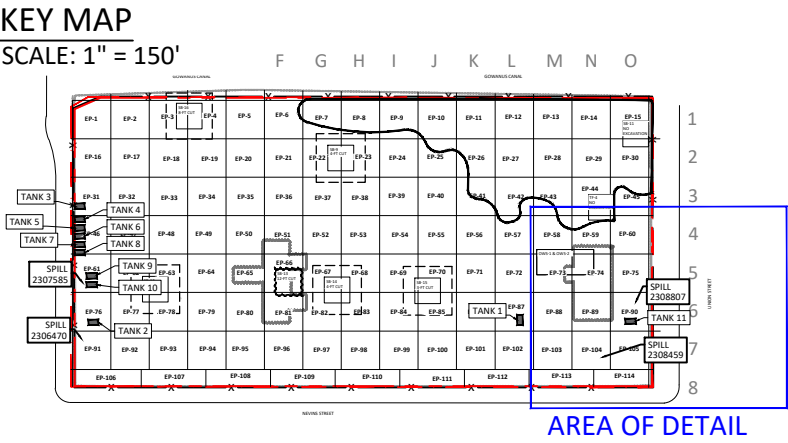
EP-114

EP-113

**Figure 3 – Spill 23-08807 Delineation Boring Survey
Location Map**

318 Nevins Street, Brooklyn, NY





HRP-MW-3



LEGEND

- PROPERTY LINE
- ISS/ISGS TREATMENT AREA
- EXTENT OF EXCAVATION
- UST LOCATION
- SURVEYED LOCATION
- MONITORING WELL LOCATION

DOCUMENTATION AND
ENDPOINT SURVEY
LOCATION MAP -
NORTHERN BUILDING

318 Nevins Street
Brooklyn, New York

Figure No. 03

PROJECT NO.	15977-01
DESIGNED BY:	AB
DRAWN BY:	AB
CHECKED BY:	KK
DATE:	4/25/2024
SCALE:	1" = 15'
REVISIONS	

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Table 1 – March 12, 2024, Soil Sample Analytical Results

318 Nevins Street, Brooklyn, NY



Table 1
Spill 23-08807 Sampling Analytical Results
March 12, 2024
318 Nevins Street, Brooklyn, NY

LOCATION			2085PLL42308807 SIDEWALL-N-GS-12-24	2085PLL42308807 SIDEWALL-S-GS-12-24	2085PLL42308807 SIDEWALL-E-GS-12-24	2085PLL42308807 SIDEWALL-W-GS-12-24	EP-90-03-12-24 11'	EP-90-03-12-24 11'	
SAMPLING DATE			3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	
LAB SAMPLE ID			L2413371-01	L2413371-02	L2413371-03	L2413371-04	L2413372-05	L2413372-05 R1	
SAMPLE TYPE			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
SAMPLE DEPTH (ft.)			0-9	0-9	0-9	0-9	0-9	0-9	
	CasNum		Units	Results	Qual	Results	Qual	Results	Qual
General Chemistry									
Chromium, Hexavalent	18540-29-9	19	mg/kg	-	-	-	-	1.02	U
Cyanide, Total	57-12-5	40	mg/kg	-	-	-	-	-	-
Solids, Total	NONE	%		84.9		84.9		78.4	
Organochlorine Pesticides by GC									
4,4'-DDE	72-94-8	14	mg/kg	-	-	-	-	-	-
4,4'-DDE	72-95-9	17	mg/kg	-	-	-	-	-	-
4,4'-DDT	50-29-3	138	mg/kg	-	-	-	-	-	-
Aldrin	309-00-2	0.19	mg/kg	-	-	-	-	-	-
Alpha-BHC	519-84-6	0.02	mg/kg	-	-	-	-	-	-
Beta-BHC	519-85-7	0.09	mg/kg	-	-	-	-	-	-
Chlordane	57-74-9	mg/kg	-	-	-	-	-	-	-
cis-Chlordane	5109-71-0	2.9	mg/kg	-	-	-	-	-	-
Delta-BHC	519-86-8	0.25	mg/kg	-	-	-	-	-	-
Dieldrin	60-57-1	0.1	mg/kg	-	-	-	-	-	-
Endosulfan I	505-98-8	102	mg/kg	-	-	-	-	-	-
Endosulfan II	33213-65-9	102	mg/kg	-	-	-	-	-	-
Endosulfan sulfate	1031-07-8	1000	mg/kg	-	-	-	-	-	-
Endrin	72-20-8	0.06	mg/kg	-	-	-	-	-	-
Endrin aldehyde	7421-93-4	mg/kg	-	-	-	-	-	-	-
Endrin ketone	1496-70-5	mg/kg	-	-	-	-	-	-	-
Heptachlor	76-44-8	0.38	mg/kg	-	-	-	-	-	-
Heptachlor epoxide	1024-57-3	mg/kg	-	-	-	-	-	-	-
Lindane	58-69-9	0.1	mg/kg	-	-	-	-	-	-
Methoxychlor	72-43-5	mg/kg	-	-	-	-	-	-	-
Toxaphene	8001-35-2	mg/kg	-	-	-	-	-	-	-
Trans-Chlordane	5109-10-2	mg/kg	-	-	-	-	-	-	-
Perfluorinated Alkyl Acids by EPA 8133									
1H,1H,2H-Perfluorooctanesulfonic Acid (PFOA)	39108-34-4	mg/kg	-	-	-	-	-	-	-
1H,1H,2H-Perfluorooctanesulfonic Acid (PFOA)	27638-97-2	mg/kg	-	-	-	-	-	-	-
N-Ethyl-Perfluorooctanesulfonamidoacetic Acid (NEtFOAA)	2991-50-6	mg/kg	-	-	-	-	-	-	-
Methyl-Perfluorooctanesulfonamidoacetic Acid (MeFOAA)	21557-11-9	mg/kg	-	-	-	-	-	-	-
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	mg/kg	-	-	-	-	-	-	-
Perfluorobutanoic Acid (PFBA)	375-72-4	mg/kg	-	-	-	-	-	-	-
Perfluorodecanesulfonic Acid (PFDS)	335-73-3	mg/kg	-	-	-	-	-	-	-
Perfluorodecanoic Acid (PFDA)	335-76-2	mg/kg	-	-	-	-	-	-	-
Perfluorododecanoic Acid (PFDDA)	307-50-1	mg/kg	-	-	-	-	-	-	-
Perfluorooctanesulfonic Acid (PFOS)	375-80-8	mg/kg	-	-	-	-	-	-	-
Perfluorooctanoic Acid (PFHxA)	375-89-9	mg/kg	-	-	-	-	-	-	-
Perfluorooctanesulfonic Acid (PFHxS)	335-67-1	mg/kg	-	-	-	-	-	-	-
Perfluorooctanoic Acid (PFHxA)	307-24-4	mg/kg	-	-	-	-	-	-	-
Perfluorononanoic Acid (PFNA)	375-91-1	mg/kg	-	-	-	-	-	-	-
Perfluorooctanesulfonamide (PFOSA)	74-63-6	mg/kg	-	-	-	-	-	-	-
Perfluorodecanesulfonic Acid (PFDS)	335-73-3	mg/kg	-	-	-	-	-	-	-
Perfluorodecanoic Acid (PFDA)	335-67-1	mg/kg	-	-	-	-	-	-	-
Perfluorooctanoic Acid (PFHxA)	307-24-4	mg/kg	-	-	-	-	-	-	-
Perfluorooctanesulfonic Acid (PFOS)	375-80-8	mg/kg	-	-	-	-	-	-	-
Perfluorooctanoic Acid (PFHxA)	307-24-4	mg/kg	-	-	-	-	-	-	-
Perfluorodecanoic Acid (PFDDA)	74-63-6	mg/kg	-	-	-	-	-	-	-
Perfluorodecanoic Acid (PFDDA)	74-63-6	mg/kg	-	-	-	-	-	-	-
PFOS/PFOA, Total	null	mg/kg	-	-	-	-	-	-	-
Polychlorinated Biphenyls by GC									
Aroclor 1016	12674-11-2	3.2	mg/kg	-	-	-	-	-	-
Aroclor 1221	11104-28-2	3.2	mg/kg	-	-	-	-	-	-
Aroclor 1232	11141-18-5	3.2	mg/kg	-	-	-	-	-	-
Aroclor 1242	13480-21-9	3.2	mg/kg	-	-	-	-	-	-
Aroclor 1248	12672-29-6	3.2	mg/kg	-	-	-	-	-	-
Aroclor 1254	11097-69-1	3.2	mg/kg	-	-	-	-	-	-
Aroclor 1260	11096-82-5	3.2	mg/kg	-	-	-	-	-	-
Aroclor 1262	13724-23-5	3.2	mg/kg	-	-	-	-	-	-
Aroclor 1268	11109-14-4	3.2	mg/kg	-	-	-	-	-	-
PCBs, Total	1336-36-3	3.2	mg/kg	-	-	-	-	-	-
Semivolatile Organics by GC/MS									
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	-	-	-	-	-	0.21	U
1,2,4-Trichlorobenzene	120-82-1	mg/kg	-	-	-	-	-	0.21	U
1,2-Dichlorobenzene	95-50-1	1.1	mg/kg	-	-	-	-	0.21	U
1,3-Dichlorobenzene	541-73-1	2.4	mg/kg	-	-	-	-	0.21	U
1,4-Dichlorobenzene	106-46-7	1.8	mg/kg	-	-	-	-	0.21	U
1,4-Dioxane	123-93-1	0.1	mg/kg	-	-	-	-	0.092	U
2,4,5-Trichlorophenol	95-95-4	mg/kg	-	-	-	-	-	0.21	U
2,4,6-Trichlorophenol	88-06-2	mg/kg	-	-	-	-	-	0.13	U
2,4-Dichlorophenol	120-83-2	mg/kg	-	-	-	-	-	0.18	U
2,4-Dimethylphenol	105-67-9	mg/kg	-	-	-	-	-	0.21	U
2,4-Dinitrophenol	51-28-5	mg/kg	-	-	-	-	-	1	U
2,4-Dinitrotoluene	121-14-2	mg/kg	-	-	-	-	-	0.21	U
2,6-Dinitrotoluene	606-20-2	mg/kg	-	-	-	-	-	0.21	U
2-Chloronaphthalene	91-58-7	mg/kg	-	-	-	-	-	0.21	U
2-Chlorophenol	95-57-8	mg/kg	-	-	-	-	-	0.21	U
2-Methylnaphthalene	91-57-6	mg/kg	-	-	-	-	-	0.56	U
2-Methylphenol	95-48-7	0.33	mg/kg	-	-	-	-	0.21	U
2-Nitroaniline	88-74-4	mg/kg	-	-	-	-	-	0.21	U
2-Nitrophenol	88-75-5	mg/kg	-	-	-	-	-	0.46	U
3,5-Dichlorobenzene	51-64-1	mg/kg	-	-	-	-	-	0.21	U
3-Methylphenol (o-Cresol)	108-39-4/106-44-5	0.33	mg/kg	-	-	-	-	0.056	J
3-Nitroaniline	88-09-2	mg/kg	-	-	-	-	-	0.21	U
4,6-Dinitro-o-cresol	834-83-1	mg/kg	-	-	-	-	-	0.06	U
4-Bromophenyl phenyl ether	101-55-3	mg/kg	-	-	-	-	-	0.21	U
4-Chloroaniline	106-47-8	mg/kg	-	-	-	-	-	0.21	U
4-Chlorophenyl phenyl ether	2005-72-3	mg/kg	-	-	-	-	-	0.21	U
4-Nitroaniline	100-01-6	mg/kg	-	-	-	-	-	0.21	U
4-Nitrophenol	100-02-7	mg/kg	-	-	-	-	-	0.3	U
Acenaphthene	81-32-9	98	mg/kg	0.15	U	0.032	J	0.18	U
Acenaphthylene	208-96-8	107	mg/kg	0.15	U	0.17	J	0.18	U
Acetophenone	98-86-2	mg/kg	-	-	-	-	-	0.21	U
Anthracene	120-127-7	1000	mg/kg	0.11	U	0.038	J	0.14	U
Benzo(a)anthracene	56-55-3	1	mg/kg	0.04	U	0.027	J	0.11	J
Benzo(a)pyrene	20-32-8	24	mg/kg	0.15	U	0.064	J	0.1	J
Benzo(b)fluoranthene	205-99-2	1.9	mg/kg	0.045	J	0.077	J	0.12	J
Benzo(g)perylene	191-24-2	1000	mg/kg	0.024	J	0.037	J	0.058	J
Benzo(k)fluoranthene	207-08-9	1.7	mg/kg	0.11	U	0.12	U	0.038	J
Benzoic Acid	65-85-0	mg/kg	-	-	-	-	-	0.88	U
Benzyl Alcohol	100-51-6	mg/kg	-	-	-	-	-	0.21	U
Biphenyl	92-52-4	mg/kg	-	-	-	-	-	0.15	J
Bis(2-chloroethoxy)methane	111-91-1	mg/kg	-	-	-	-	-	0.23	U
Bis(2-chloroethoxy)ether	111-44-4	mg/kg	-	-	-	-	-	0.19	U
Bis(2-chloroisopropoxy)ether	108-60-1	mg/kg	-	-	-	-	-	0.25	U
Bis(2-ethylhexyloxy)phthalate	117-81-7	mg/kg	-	-	-	-	-	0.21	U
Butyl benzyl phthalate	61-68-7	mg/kg	-	-	-	-	-	0.21	U
Carbazole	86-74-8	mg/kg	-	-	-	-	-	1.3	U
Chrysene	218-01-9	1	mg/kg	0.037	J	0.069	J	0.13	J
Di-n-butylphthalate	84-74-2	mg/kg	-	-	-	-	-	0.21	U
Di-n-octylphthalate	117-84-0	mg/kg	-	-	-	-	-	0.21	U
Dibenzofuran	53-70-3	1000	mg/kg	0.11	U	0.12	U	0.14	U
Dibenzofuran	132-64-9	230	mg/kg	-	-	-	-	1.1	U
Diethyl phthalate	84-66-2	mg/kg	-	-	-	-	-	0.21	U
Dimethyl phthalate	131-11-3	mg/kg	-	-	-	-	-	0.21	U
Fluoranthene	206-44-0	1000	mg/kg	0.083	J	0.15	J	0.085	J
Fluorene	86-73-7	386	mg/kg	0.19	U	0.026	J	0.23	U
Hexachlorobenzene	118-74-1	9.4	mg/kg	-	-	-	-	0.19	U
Hexachlorobutadiene	87-68-3	mg/kg	-	-	-	-	-	0.21	U
Hexachlorocyclopentadiene	77-47-4	mg/kg	-	-	-	-	-	0.6	U
Hexachlorophthalate	67-72-1	mg/kg	-	-	-	-	-	0.17	U
Indeno[1,2,3-c]pyrene	193-39-5	8.3	mg/kg	0.15	U	0.032	J	0.048	J
Isoquinoline	78-59-1	mg/kg	-	-	-	-	-	0.19	U
m-Nitroeth-n-propylamine	621-64-7	mg/kg	-	-	-	-	-	0.23	U
Naphthalene	91-20-3	12	mg/kg	-	-	-	-	0.64	U
NDA/ODA	86-30-6	mg/kg	-	-	-	-	-	0.17	U
Nitrobenzene	99-05-3	mg/kg	-	-	-	-	-	0.19	U
p-Chloro-m-cresol	99-50-7	mg/kg	-	-	-	-	-	0.21	U
Pentachlorophenol	87-86-5	0.8	mg/kg	-	-	-	-	0.17	U
Phenanthrene	85-01-8	1000	mg/kg	0.051	J	0.15	J	0.14	J
Phenol	108-95-2	0.33	mg/kg	-	-	-	-	0.21	U
Pyrene	129-00-0	100	mg/kg	0.075	J	0.14	J	0.2	J

Table 1
Spill 23-08807 Sampling Analytical Results
March 12, 2024
318 Nevins Street, Brooklyn, NY

LOCATION		NY-PC SCOs	2085PIL42308807 SIDEWALL-N-GS-12-24				2085PIL42308807 SIDEWALL-S-GS-12-24				2085PIL42308807 SIDEWALL-E-GS-12-24				2085PIL42308807 SIDEWALL-W-GS-12-24				EP-90-03-12-24 11'		EP-90-03-12-24 11'	
SAMPLING DATE			3/12/2024				3/12/2024				3/12/2024				3/12/2024				3/12/2024		3/12/2024	
LAB SAMPLE ID			L2413371-01				L2413371-02				L2413371-03				L2413371-04				L2413372-05		L2413372-05 R1	
SAMPLE TYPE			SOIL				SOIL				SOIL				SOIL				SOIL		SOIL	
SAMPLE DEPTH (ft.)			0-8				0-8				0-8				0-8				0-8		1-1	
		CasNum	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual			
Total Metals																						
Aluminum, Total		7429-90-5	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Antimony, Total		7440-36-0	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Arsenic, Total		7440-38-2	16	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Barium, Total		7440-39-3	830	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Beryllium, Total		7440-41-7	47	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Calcium, Total		7440-43-9	7.5	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Cadmium, Total		7440-70-2	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Chromium, Total		7440-47-3	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Cobalt, Total		7440-48-4	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Copper, Total		7440-50-8	1720	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Iron, Total		7439-89-6	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Lead, Total		7439-92-1	450	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Magnesium, Total		7439-95-4	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Manganese, Total		7439-96-5	2000	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Mercury, Total		7439-97-6	0.73	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Nickel, Total		7440-02-0	130	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium, Total		7440-09-7	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Selenium, Total		7782-49-2	4	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Silver, Total		7440-22-4	8.3	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Sodium, Total		7440-23-5	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Thallium, Total		7440-28-0	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Vanadium, Total		7440-62-2	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Zinc, Total		7440-66-6	2480	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Volatile Organics by EPA 5035																						
1,1,1,2-Tetrachloroethane		680-20-6	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,1,1-Trichloroethane		71-55-6	0.68	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,1,2,2-Tetrachloroethane		79-34-5	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,1,2-Trichloroethane		75-08-5	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,1-Dichloroethane		75-34-3	0.27	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,1-Dichloroethene		75-35-4	0.33	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,1-Dichloropropane		683-38-6	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,2,3-Trichlorobenzene		87-61-6	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,2,4-Trichloropropane		86-18-4	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,2,4-Trichlorobenzene		120-82-1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,2,4-Trimethylbenzene		95-63-6	3.6	mg/kg	0.0027	J	0.26	9.2	0.11	J	0.14	-	-	-	-	-	-	-	-			
1,2-Dibromo-3-chloropropane		89-12-8	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,2-Dibromomethane		106-93-4	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,1-Dichlorobenzene		95-50-1	1.1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,2-Dichloroethane		107-06-2	0.62	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,2-Dichloroethene, Total		540-58-0	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,2-Dichloropropane		78-87-5	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,3,5-Trimethylbenzene		108-67-8	8.4	mg/kg	0.01	-	0.53	2.6	0.048	J	0.05	-	-	-	-	-	-	-	-			
1,3-Dichlorobenzene		541-73-1	2.4	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,3-Dichloropropane		142-28-6	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,3-Dichloropropene, Total		542-75-6	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,4-Dichlorobenzene		106-46-7	1.8	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,4-Dioxane		123-91-1	0.1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2,2-Dichloropropane		594-20-7	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2-Pentanone		78-93-3	0.12	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2-Nonanone		591-78-6	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
4-Methyl-2-pentanone		108-10-1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Acetone		67-64-1	0.05	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Acrylonitrile		107-13-1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Benzene		71-43-2	0.06	mg/kg	0.0044	-	0.33	4.9	0.064	-	0.18	-	-	-	-	-	-	-	-			
Bromobenzene		108-96-1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bromochloromethane		74-97-5	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bromodichloromethane		75-27-4	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bromofluoromethane		75-29-2	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bromomethane		74-83-9	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Carbon disulfide		75-13-0	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Carbon tetrachloride		56-23-5	0.75	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Chlorobenzene		108-90-7	1.1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Chloroethane		75-00-3	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Chloroform		67-68-3	0.37	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Chloromethane		74-87-3	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
cis-1,2-Dichloroethene		156-59-2	0.25	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
cis-1,3-Dichloropropene		10061-01-5	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Dibromochloromethane		124-48-1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Dibromomethane		74-99-3	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Dichlorodifluoromethane		75-71-8	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ethyl ether		60-29-7	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ethylbenzene		100-41-4	1	mg/kg	0.0078	-	1.5	5.7	0.045	J	0.12	-	-	-	-	-	-	-	-			
Hexachlorobutadiene		87-68-3	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Isopropylbenzene		98-82-8	mg/kg	0.012	-	5.4	-	1.8	-	3.7	-	0.055	-	-	-	-	-	-	-			
Methyl tert-butyl ether		1184-34-4	0.93	mg/kg	-	-	-	-	-	-	-	0.0024	U	-	-	-	-	-	-			
Methylene dichloride		75-09-2	0.05	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
n-Butylbenzene		104-51-8	12	mg/kg	0.011	-	3.7	0.54	-	1.6	-	0.019	-	-	-	-	-	-	-			
n-Propylbenzene		103-65-1	3.9	mg/kg	0.013	-	9.7	3.8	-	0.063	-	0.063	-	-	-	-	-	-	-			
Naphthalene		91-20-3	12	mg/kg	0.0062	-	5.2	0.79	0.33	-	0.031	-	-	-	-	-	-	-	-			
n-Chlorobenzene		95-49-8	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
n-Xylene		95-47-6	mg/kg	0.0025	-	0.4	-	1.8	0.089	J	0.15	-	-	-	-	-	-	-	-			
o-Chlorobenzene		105-40-4	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
o-Dichlorobenzene		105-40-5	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
p-Ethyltoluene		622-96-8	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
p-Isopropyltoluene		99-87-6	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
p-m-Xylene		119601-23-1	mg/kg	0.0017	J	0.6	-	15	0.32	-	0.41	-	-	-	-	-	-	-	-			
sec-Butylbenzene		135-98-8	15	mg/kg	0.02	-	2	0.53	-	2.5	-	0.02	-	-	-	-	-	-	-			
Styrene		100-42-5	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
tert-Butylbenzene		98-06-6	5.9	mg/kg	0.0024	J	0.35	-	0.1	J	0.51	-	0.0038	-	-	-	-	-	-			
Tetrachloroethene		1127-18-4	3.8	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Toluene		108-88-3	0.7	mg/kg	0.0015	U	0.24	-	0.69	-	0.02	-	-	-	-	-	-	-	-			
trans-1,2-Dichloroethene		156-60-5	0.19	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
trans-1,3-Dichloropropene		10061-03-9	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
trans-1,4-Dichloro-2-butene		110-37-6	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Trichloroethene		78-09-6	0.47	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Trichlorodifluoromethane		75-69-4	mg/kg	-	-	-																

**Table 2 – Delineation Boring Soil Sample Analytical
Results**

318 Nevins Street, Brooklyn, NY



Table 2
Spill 23-08807 Delineation Boring Analytical Results
318 Nevins Street, Brooklyn NY

LOCATION		NY-PG SCOs	DB-1-(10)		DB-1-(15)		DB-1-(20)		DB-1-(25)		DB-2 (5')		DB-2 (5')		DB-2 (10')		DB-2 (15')		DB-2 (20')		DB-3 (5')		DB-3 (5')		DB-3 (10')			
SAMPLING DATE			3/26/2024		3/26/2024		3/26/2024		3/26/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024			
LAB SAMPLE ID			L2416462-01		L2416462-02		L2416462-03		L2416462-04		L2417344-01		L2417344-01 R1		L2417344-02		L2417344-03		L2417344-04		L2417344-05		L2417344-05 R2		L2417344-06			
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	CasNum		Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	
General Chemistry																												
Solids, Total		NONE	%	86.5		78		80.3		83.5		94		-	-	61		34.1		32.9		92.9		-	-	84		
Volatile Organics by EPA 5035																												
1,2,4-Trimethylbenzene	95-63-6	3.6	mg/kg	0.081	J	0.75	E	0.0022	U	0.0022	U	0.0052	U	0.0071	U	0.0045	U	0.011	U	0.019		0.003	U	-	-	0.0026	U	
1,3,5-Trimethylbenzene	108-67-8	8.4	mg/kg	0.04	J	0.26		0.0022	U	0.0022	U	0.0052	U	0.0071	U	0.0045	U	0.011	U	0.011		0.003	U	-	-	0.0026	U	
Benzene	71-43-2	0.06	mg/kg	0.075		0.17		0.00055	U	0.00055	U	0.0013	U	0.0018	U	0.0011	U	0.048		0.0079		0.00074	U	-	-	0.00064	U	
Ethylbenzene	100-41-4	1	mg/kg	0.11		0.046		0.0011	U	0.0011	U	0.0026	U	0.0035	U	0.0023	U	0.0054	U	0.0017	J	0.0015	U	-	-	0.0013	U	
Isopropylbenzene	98-82-8		mg/kg	2.6		0.12		0.0011	U	0.0011	U	0.0026	U	0.0035	U	0.0023	U	0.0054	U	0.0039	J	0.0015	U	-	-	0.0013	U	
n-Butylbenzene	104-51-8	12	mg/kg	1.4		0.029		0.0011	U	0.0011	U	0.0026	U	0.0035	U	0.0023	U	0.0054	U	0.0042	U	0.0015	U	-	-	0.0013	U	
n-Propylbenzene	103-65-1	3.9	mg/kg	4		0.14		0.0011	U	0.0011	U	0.0026	U	0.0035	U	0.0023	U	0.0054	U	0.0011	J	0.0015	U	-	-	0.0013	U	
Naphthalene	91-20-3	12	mg/kg	1.2		0.094		0.0044	U	0.0044	U	0.01	U	0.014	U	0.009	U	0.022	U	0.0032	J	0.0059	U	-	-	0.00093	J	
o-Xylene	95-47-6		mg/kg	0.023	J	0.0076		0.0011	U	0.0011	U	0.0026	U	0.0035	U	0.0023	U	0.0054	U	0.0044		0.0015	U	-	-	0.0013	U	
p-Isopropyltoluene	99-87-6		mg/kg	1.3		0.043		0.0011	U	0.0011	U	0.0026	U	0.0035	U	0.0023	U	0.0054	U	0.0009	J	0.0015	U	-	-	0.0013	U	
p/m-Xylene	179601-23-1		mg/kg	0.071	J	1.5	E	0.0022	U	0.0022	U	0.0052	U	0.0071	U	0.0045	U	0.011	U	0.024		0.003	U	-	-	0.0026	U	
sec-Butylbenzene	135-98-8	11	mg/kg	0.98		0.037		0.0011	U	0.0011	U	0.0026	U	0.0035	U	0.0023	U	0.0054	U	0.0047		0.0015	U	-	-	0.0013	U	
tert-Butylbenzene	98-06-6	5.9	mg/kg	0.18		0.0052		0.0022	U	0.0022	U	0.0052	U	0.0071	U	0.00076	J	0.011	U	0.0033	J	0.003	U	-	-	0.0026	U	
Toluene	108-88-3	0.7	mg/kg	0.054	U	0.0028		0.0011	U	0.0011	U	0.0026	U	0.0035	U	0.0023	U	0.0054	U	0.0058		0.0015	U	-	-	0.0013	U	
Xylenes, Total	1330-20-7	1.6	mg/kg	0.094	J	5.7	J	0.0011	U	0.0011	U	0.0026	U	0.0035	U	0.0023	U	0.0054	U	0.028		0.0015	U	-	-	0.0013	U	
Volatile Organics by EPA 5035 High																												
1,2,4-Trimethylbenzene	95-63-6	3.6	mg/kg	-	-	4.5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,3,5-Trimethylbenzene	108-67-8	8.4	mg/kg	-	-	1.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Benzene	71-43-2	0.06	mg/kg	-	-	0.43		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ethylbenzene	100-41-4	1	mg/kg	-	-	0.16		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Isopropylbenzene	98-82-8		mg/kg	-	-	0.48		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
n-Butylbenzene	104-51-8	12	mg/kg	-	-	0.27		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
n-Propylbenzene	103-65-1	3.9	mg/kg	-	-	0.72		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Naphthalene	91-20-3	12	mg/kg	-	-	1.7		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
o-Xylene	95-47-6		mg/kg	-	-	0.033	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
p-Isopropyltoluene	99-87-6		mg/kg	-	-	0.27		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
p/m-Xylene	179601-23-1		mg/kg	-	-	5.7		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
sec-Butylbenzene	135-98-8	11	mg/kg	-	-	0.26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
tert-Butylbenzene	98-06-6	5.9	mg/kg	-	-	0.028	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Toluene	108-88-3	0.7	mg/kg	-	-	0.072	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Xylenes, Total	1330-20-7	1.6	mg/kg	-	-	5.7	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Semivolatile Organics by GC/MS																												
Acenaphthene	83-32-9	98	mg/kg	0.15	U	0.17	U	0.16	U	0.15	U	0.068	J	-	-	0.62	U	1.2	U	0.4	U	17		-	-	0.16	U	
Acenaphthylene	208-96-8	107	mg/kg	0.15	U	0.17	U	0.16	U	0.15	U	0.45		-	-	0.62	U	1.2	U	0.4	U	3.3		-	-	0.046	J	
Anthracene	120-12-7	1000	mg/kg	0.11	U	0.12	U	0.12	U	0.12	U	0.31		-	-	0.47	U	0.86	U	0.3	U	32		-	-	0.049	J	
Benzo(a)anthracene	56-55-3	1	mg/kg	0.11	U	0.12	U	0.12	U	0.12	U	0.71		-	-	0.47	U	0.86	U	0.3	U	56	E	76		0.19		
Benzo(a)pyrene	50-32-8	22	mg/kg	0.15	U	0.17	U	0.16	U	0.15	U	0.61		-	-	0.62	U	1.2	U	0.4	U	55	E	75		0.22		
Benzo(b)fluoranthene	205-99-2	1.7	mg/kg	0.11	U	0.12	U	0.12	U	0.12	U	0.71		-	-	0.47	U	0.86	U	0.3	U	70	E	90		0.28		
Benzo(ghi)perylene	191-24-2	1000	mg/kg	0.15	U	0.17	U	0.16	U	0.15	U	0.39		-	-	0.62	U	1.2	U	0.4	U	34		-	-	0.11	J	
Benzo(k)fluoranthene	207-08-9	1.7	mg/kg	0.11	U	0.12	U	0.12	U	0.12	U	0.27		-	-	0.47	U	0.86	U	0.3	U	14		-	-	0.076	J	
Chrysene	218-01-9	1	mg/kg	0.11	U	0.12	U	0.12	U	0.12	U	0.69		-	-	0.47	U	0.86	U	0.3	U	47	E	74		0.24		
Dibenzo(a,h)anthracene	53-70-3	1000	mg/kg	0.11	U	0.12	U	0.12	U	0.12	U	0.093	J	-	-	0.47	U	0.86	U	0.3	U	12		-	-	0.025	J	
Fluoranthene	206-44-0	1000	mg/kg	0.11	U	0.12	U	0.12	U	0.12	U	1.3		-	-	0.47	U	0.86	U	0.3	U	100	E	200		0.38		
Fluorene	86-73-7	386	mg/kg	0.19	U	0.21	U	0.2	U	0.19	U	0.081	J	-	-	0.78	U	1.4	U	0.5	U	17		-	-	0.023	J	
Indeno(1,2,3-cd)pyrene	193-39-5	8.2	mg/kg	0.15	U	0.17	U	0.16	U	0.15	U	0.35		-	-	0.62	U	1.2	U	0.4	U	28		-	-	0.1	J	
Phenanthrene	85-01-8	1000	mg/kg	0.11	U	0.12	U	0.12	U	0.12	U	0.85		-	-	0.47	U	0.86	U	0.3	U	110	E	220		0.3		
Pyrene	129-00-0	1000	mg/kg	0.11	U	0.12	U	0.12	U	0.12	U	1.3		-	-	0.47	U	0.86	U	0.3	U	94	E	180		0.39		

NY-PG SCOs: New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Table 2
Spill 23-08807 Delineation Boring Analytical Results
318 Nevins Street, Brooklyn NY

LOCATION		NY-PG SCOs	DB-3 (15')		DB-3 (20')		DB-4 (5')		DB-4 (10')		DB-4 (15')		DB-4 (20')		DB-5 (5')		DB-5 (10')		DB-5 (15')		DB-5 (20')		DB-6 (5')		DB-6 (10')		DB-6 (15')			
SAMPLING DATE			3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024			
LAB SAMPLE ID			L2417344-07		L2417344-08		L2417344-09		L2417344-10		L2417344-11		L2417344-12		L2417344-13		L2417344-14		L2417344-15		L2417344-16		L2417344-17		L2417344-18		L2417344-19			
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	CasNum		Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	
General Chemistry																														
Solids, Total		NONE	%	41		87.8		95		80.2		74.8		84.6		95		82.1		37		37		94.4		90.8		86.9		
Volatile Organics by EPA 5035																														
1,2,4-Trimethylbenzene		95-63-6	3.6	mg/kg	0.01	U	0.001	J	0.0028	U	0.003	U	0.0028	U	0.00098	J	0.0024	U	0.0022	U	0.016		0.0056	U	0.0026	U	0.00057	J	0.14	
1,3,5-Trimethylbenzene		108-67-8	8.4	mg/kg	0.01	U	0.00039	J	0.0028	U	0.003	U	0.0028	U	0.00038	J	0.0024	U	0.00029	J	0.012		0.0056	U	0.0026	U	0.0029	U	0.22	
Benzene		71-43-2	0.06	mg/kg	0.0012	J	0.0052		0.00069	U	0.00076	U	0.00069	U	0.0021		0.0006	U	0.00054	U	0.059		0.0014	U	0.00065	U	0.0004	J	0.18	
Ethylbenzene		100-41-4	1	mg/kg	0.0052	U	0.001	U	0.0014	U	0.0015	U	0.0014	U	0.0011	U	0.0012	U	0.0011	U	0.016		0.0028	U	0.0013	U	0.0014	U	0.72	
Isopropylbenzene		98-82-8		mg/kg	0.0052	U	0.00014	J	0.0014	U	0.0015	U	0.0014	U	0.00026	J	0.0012	U	0.0041		0.01		0.0028	U	0.0013	U	0.00016	J	4.9	
n-Butylbenzene		104-51-8	12	mg/kg	0.0052	U	0.001	U	0.0014	U	0.0015	U	0.0014	U	0.0011	U	0.0012	U	0.0058		0.0028	U	0.0028	U	0.0013	U	0.0014	U	5.4	
n-Propylbenzene		103-65-1	3.9	mg/kg	0.0052	U	0.001	U	0.0014	U	0.0015	U	0.0014	U	0.0002	J	0.0012	U	0.0049		0.0033		0.0028	U	0.0013	U	0.0014	U	7.7	
Naphthalene		91-20-3	12	mg/kg	0.021	U	0.0041		0.0055	U	0.0061	U	0.0055	U	0.0064		0.0048	U	0.0045		0.011	U	0.011	U	0.0052	U	0.0027	J	1.9	
o-Xylene		95-47-6		mg/kg	0.0052	U	0.0014		0.0014	U	0.0015	U	0.0014	U	0.0011		0.0012	U	0.00076	J	0.035		0.0028	U	0.0013	U	0.0014	U	0.13	
p-Isopropyltoluene		99-87-6		mg/kg	0.0052	U	0.001	U	0.0014	U	0.0015	U	0.0014	U	0.00012	J	0.0012	U	0.00024	J	0.0017	J	0.0028	U	0.0013	U	0.0014	U	3.5	
p/m-Xylene		179601-23-1		mg/kg	0.01	U	0.0015	J	0.0028	U	0.003	U	0.0028	U	0.0018	J	0.0024	U	0.00061	J	0.062		0.0056	U	0.0026	U	0.0012	J	0.59	
sec-Butylbenzene		135-98-8	11	mg/kg	0.0052	U	0.001	U	0.0014	U	0.0015	U	0.0014	U	0.0011	U	0.0012	U	0.011		0.0023	J	0.0028	U	0.0013	U	0.00075	J	4	
tert-Butylbenzene		98-06-6	5.9	mg/kg	0.01	U	0.0021	U	0.0028	U	0.003	U	0.0028	U	0.0022	U	0.0024	U	0.0015	J	0.001	J	0.0056	U	0.0026	U	0.0039		0.5	
Toluene		108-88-3	0.7	mg/kg	0.0067		0.001	U	0.0014	U	0.0015	U	0.0014	U	0.0011	U	0.0012	U	0.0011	U	0.014		0.0028	U	0.0013	U	0.0014	U	0.12	
Xylenes, Total		1330-20-7	1.6	mg/kg	0.0052	U	0.0029	J	0.0014	U	0.0015	U	0.0014	U	0.0029	J	0.0012	U	0.0014	J	0.097		0.0028	U	0.0013	U	0.0012	J	0.72	
Volatile Organics by EPA 5035 High																														
1,2,4-Trimethylbenzene		95-63-6	3.6	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,3,5-Trimethylbenzene		108-67-8	8.4	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzene		71-43-2	0.06	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ethylbenzene		100-41-4	1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Isopropylbenzene		98-82-8		mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
n-Butylbenzene		104-51-8	12	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
n-Propylbenzene		103-65-1	3.9	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Naphthalene		91-20-3	12	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
o-Xylene		95-47-6		mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
p-Isopropyltoluene		99-87-6		mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
p/m-Xylene		179601-23-1		mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
sec-Butylbenzene		135-98-8	11	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
tert-Butylbenzene		98-06-6	5.9	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Toluene		108-88-3	0.7	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Xylenes, Total		1330-20-7	1.6	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Semivolatile Organics by GC/MS																														
Acenaphthene		83-32-9	98	mg/kg	0.32	U	0.15	U	0.018	J	0.71		0.75		0.16	U	0.14	U	0.16	U	0.99	U	-	-	0.14	U	0.14	U	0.15	U
Acenaphthylene		208-96-8	107	mg/kg	0.32	U	0.15	U	0.14	U	0.1	J	0.22		0.16	U	0.14	U	0.16	U	0.99	U	-	-	0.14	U	0.14	U	0.15	U
Anthracene		120-12-7	1000	mg/kg	0.24	U	0.11	U	0.045	J	1.3		1.1		0.12	U	0.1	U	0.12	U	0.74	U	-	-	0.1	U	0.11	U	0.11	U
Benzo(a)anthracene		56-55-3	1	mg/kg	0.056	J	0.11	U	0.14		2.3		2.3		0.12	U	0.1	U	0.12	U	0.74	U	-	-	0.1	U	0.11	U	0.11	U
Benzo(a)pyrene		50-32-8	22	mg/kg	0.32	U	0.15	U	0.13	J	2		2.1		0.16	U	0.14	U	0.16	U	0.99	U	-	-	0.14	U	0.14	U	0.15	U
Benzo(b)fluoranthene		205-99-2	1.7	mg/kg	0.24	U	0.11	U	0.15		2.3		2.4		0.12	U	0.1	U	0.12	U	0.74	U	-	-	0.1	U	0.11	U	0.11	U
Benzo(ghi)perylene		191-24-2	1000	mg/kg	0.062	J	0.15	U	0.078	J	1		1.1		0.16	U	0.14	U	0.16	U	0.99	U	-	-	0.14	U	0.14	U	0.15	U
Benzo(k)fluoranthene		207-08-9	1.7	mg/kg	0.24	U	0.11	U	0.055	J	0.82		0.84		0.12	U	0.1	U	0.12	U	0.74	U	-	-	0.1	U	0.11	U	0.11	U
Chrysene		218-01-9	1	mg/kg	0.045	J	0.11	U	0.14		2.2		2.3		0.12	U	0.1	U	0.12	U	0.74	U	-	-	0.1	U	0.11	U	0.11	U
Dibenzo(a,h)anthracene		53-70-3	1000	mg/kg	0.24	U	0.11	U	0.1	U	0.26		0.26		0.12	U	0.1	U	0.12	U	0.74	U	-	-	0.1	U	0.11	U	0.11	U
Fluoranthene		206-44-0	1000	mg/kg	0.1	J	0.11	U	0.3		5.1		5.1		0.042	J	0.1	U	0.023	J	0.74	U	-	-	0.1	U	0.11	U	0.11	U
Fluorene		86-73-7	386	mg/kg	0.4	U	0.19	U	0.017	J	0.67		0.68		0.2	U	0.17	U	0.2	U	1.2	U	-	-	0.17	U	0.18	U	0.18	U
Indeno(1,2,3-cd)pyrene		193-39-5	8.2	mg/kg	0.32	U	0.15	U	0.073	J	1		1		0.16	U	0.14	U	0.16	U	0.99	U	-	-	0.14	U	0.14	U	0.15	U
Phenanthrene		85-01-8	1000	mg/kg	0.16	J	0.11	U	0.18		5.1		5.1		0.045	J	0.1	U	0.12	U	0.74	U	-	-	0.1	U	0.11	U	0.11	U
Pyrene		129-00-0	1000	mg/kg	0.091	J	0.11	U	0.27		4.9		5		0.036	J	0.1	U	0.021	J	0.74	U	-	-	0.1	U	0.11	U	0.11	U

Table 2
Spill 23-08807 Delineation Boring Analytical Results
318 Nevins Street, Brooklyn NY

LOCATION		NY-PG SCOs			DB-6 (20')		DB-7 (5')		DB-7 (10')		DB-7 (15')		DB-7 (20')	
SAMPLING DATE					3/29/2024		3/29/2024		3/29/2024		3/29/2024		3/29/2024	
LAB SAMPLE ID					L2417344-20		L2417344-21		L2417344-22		L2417344-23		L2417344-24	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
	CasNum		Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	
General Chemistry														
Solids, Total	NONE		%	80.4		96.4		81		82.3		84.5		
Volatile Organics by EPA 5035														
1,2,4-Trimethylbenzene	95-63-6	3.6	mg/kg	0.0024	U	0.0024	U	0.0021	U	0.0024	U	0.0022	U	
1,3,5-Trimethylbenzene	108-67-8	8.4	mg/kg	0.0024	U	0.0024	U	0.0021	U	0.0024	U	0.0022	U	
Benzene	71-43-2	0.06	mg/kg	0.00061	U	0.0006	U	0.0002	J	0.0006	U	0.00056	U	
Ethylbenzene	100-41-4	1	mg/kg	0.0012	U	0.0012	U	0.001	U	0.0012	U	0.0011	U	
Isopropylbenzene	98-82-8		mg/kg	0.0012	U	0.0012	U	0.0042		0.0012	U	0.0011	U	
n-Butylbenzene	104-51-8	12	mg/kg	0.0012	U	0.0012	U	0.001	U	0.0012	U	0.0011	U	
n-Propylbenzene	103-65-1	3.9	mg/kg	0.0012	U	0.0012	U	0.001		0.0012	U	0.0011	U	
Naphthalene	91-20-3	12	mg/kg	0.0049	U	0.0048	U	0.00077	J	0.0048	U	0.0044	U	
o-Xylene	95-47-6		mg/kg	0.0012	U	0.0012	U	0.001	U	0.0012	U	0.0011	U	
p-Isopropyltoluene	99-87-6		mg/kg	0.0012	U	0.0012	U	0.00024	J	0.0012	U	0.0011	U	
p/m-Xylene	179601-23-1		mg/kg	0.0024	U	0.0024	U	0.0021	U	0.0024	U	0.0022	U	
sec-Butylbenzene	135-98-8	11	mg/kg	0.0012	U	0.0012	U	0.002		0.0012	U	0.0011	U	
tert-Butylbenzene	98-06-6	5.9	mg/kg	0.0024	U	0.0024	U	0.0032		0.00014	J	0.0022	U	
Toluene	108-88-3	0.7	mg/kg	0.0012	U	0.0012	U	0.001	U	0.0012	U	0.0011	U	
Xylenes, Total	1330-20-7	1.6	mg/kg	0.0012	U	0.0012	U	0.001	U	0.0012	U	0.0011	U	
Volatile Organics by EPA 5035 High														
1,2,4-Trimethylbenzene	95-63-6	3.6	mg/kg	-	-	-	-	-	-	-	-	-	-	
1,3,5-Trimethylbenzene	108-67-8	8.4	mg/kg	-	-	-	-	-	-	-	-	-	-	
Benzene	71-43-2	0.06	mg/kg	-	-	-	-	-	-	-	-	-	-	
Ethylbenzene	100-41-4	1	mg/kg	-	-	-	-	-	-	-	-	-	-	
Isopropylbenzene	98-82-8		mg/kg	-	-	-	-	-	-	-	-	-	-	
n-Butylbenzene	104-51-8	12	mg/kg	-	-	-	-	-	-	-	-	-	-	
n-Propylbenzene	103-65-1	3.9	mg/kg	-	-	-	-	-	-	-	-	-	-	
Naphthalene	91-20-3	12	mg/kg	-	-	-	-	-	-	-	-	-	-	
o-Xylene	95-47-6		mg/kg	-	-	-	-	-	-	-	-	-	-	
p-Isopropyltoluene	99-87-6		mg/kg	-	-	-	-	-	-	-	-	-	-	
p/m-Xylene	179601-23-1		mg/kg	-	-	-	-	-	-	-	-	-	-	
sec-Butylbenzene	135-98-8	11	mg/kg	-	-	-	-	-	-	-	-	-	-	
tert-Butylbenzene	98-06-6	5.9	mg/kg	-	-	-	-	-	-	-	-	-	-	
Toluene	108-88-3	0.7	mg/kg	-	-	-	-	-	-	-	-	-	-	
Xylenes, Total	1330-20-7	1.6	mg/kg	-	-	-	-	-	-	-	-	-	-	
Semivolatile Organics by GC/MS														
Acenaphthene	83-32-9	98	mg/kg	0.16	U	0.14	U	0.16	U	0.16	U	0.16	U	
Acenaphthylene	208-96-8	107	mg/kg	0.16	U	0.14	U	0.16	U	0.16	U	0.16	U	
Anthracene	120-12-7	1000	mg/kg	0.12	U	0.1	U	0.12	U	0.12	U	0.12	U	
Benzo(a)anthracene	56-55-3	1	mg/kg	0.12	U	0.1	U	0.12	U	0.038	J	0.12	U	
Benzo(a)pyrene	50-32-8	22	mg/kg	0.16	U	0.14	U	0.16	U	0.16	U	0.16	U	
Benzo(b)fluoranthene	205-99-2	1.7	mg/kg	0.12	U	0.1	U	0.12	U	0.044	J	0.12	U	
Benzo(ghi)perylene	191-24-2	1000	mg/kg	0.16	U	0.14	U	0.16	U	0.16	U	0.16	U	
Benzo(k)fluoranthene	207-08-9	1.7	mg/kg	0.12	U	0.1	U	0.12	U	0.12	U	0.12	U	
Chrysene	218-01-9	1	mg/kg	0.12	U	0.1	U	0.12	U	0.036	J	0.12	U	
Dibenzo(a,h)anthracene	53-70-3	1000	mg/kg	0.12	U	0.1	U	0.12	U	0.12	U	0.12	U	
Fluoranthene	206-44-0	1000	mg/kg	0.12	U	0.1	U	0.12	U	0.076	J	0.12	U	
Fluorene	86-73-7	386	mg/kg	0.2	U	0.17	U	0.2	U	0.2	U	0.19	U	
Indeno(1,2,3-cd)pyrene	193-39-5	8.2	mg/kg	0.16	U	0.14	U	0.16	U	0.16	U	0.16	U	
Phenanthrene	85-01-8	1000	mg/kg	0.12	U	0.1	U	0.12	U	0.037	J	0.12	U	
Pyrene	129-00-0	1000	mg/kg	0.12	U	0.1	U	0.12	U	0.06	J	0.12	U	

NY-PG SCOs: New York NYCRR Part 375 Groundwater Criteria, New York Restricted u

Table 3 – Delineation Boring Survey Summary Table

318 Nevins Street, Brooklyn, NY



Table 3
Delineation Boring Survey Summary Table
318 Nevins Street, Brooklyn, NY

EP	Surveyed Elevation	Northing	Easting
DB-1	10.00	186684.2590	987652.5730
DB-2	10.00	186695.3860	987621.1560
DB-3	10.76	186659.4640	987620.0610
DB-4	10.19	186649.0890	987637.0910
DB-5	9.95	186650.9220	987654.5980
DB-6	10.56	186672.8250	987672.6610
DB-7	9.89	186667.2450	987681.0060

Table 4 – Sentinel Well Groundwater Analytical Results

318 Nevins Street, Brooklyn, NY



LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE	NW-ADQS	Units		HRP-MW3		MW-HRP-3		HRP-MW-3-030724		HRP-MW-3-03-19-24		HRP-MW3-040224		HRP-MW-3-041624		HRP-MW-5A		HRP-MW-5A		
				1/25/2024 L2404419-01		2/20/2024 L2409109-01		3/7/2024 L2412507-01		4/2/2024 L2414888-01		4/2/2024 L2417832-01		4/16/2024 L2420729-02		4/16/2024 L2403806-06		2/12/2024 L2409404-02		
				WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER		
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	
1,4 Dioxane by 8270E-SIM				Casium																
1,4-Dioxane				123-91-1	~	ug/L	0.139	U	0.139	U	0.144	U	0.0335	U	0.144	U	0.15	U	0.139	U
Dissolved Metals																				
Aluminum, Dissolved				7429-90-5	~	ug/L	100	U	21.3	U	10	U	3.84	J	10	U	4	U	4.29	J
Antimony, Dissolved				7440-36-0	3	ug/L	4.84	J	4	U	0.65	J	4	U	4	U	4	U	4	U
Arsenic, Dissolved				7440-38-2	25	ug/L	5	U	0.61	U	0.56	U	0.59	U	0.58	U	0.62	U	1.34	U
Barium, Dissolved				7440-39-3	1000	ug/L	120	U	104.8	U	96.99	U	86.32	U	72.75	U	80.88	U	74.54	U
Bismuth, Dissolved				7440-41-7	3	ug/L	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium, Dissolved				7440-43-9	5	ug/L	2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Calcium, Dissolved				7440-70-2	~	ug/L	298000	U	300000	U	270000	U	246000	U	243000	U	277000	U	216000	U
Chromium, Dissolved				7440-47-3	50	ug/L	10	U	1	U	1	U	0.18	J	1	U	1.02	U	1.02	J
Cobalt, Dissolved				7440-48-4	~	ug/L	5	U	0.41	J	0.46	J	0.36	J	0.36	J	0.39	J	0.61	U
Copper, Dissolved				7440-50-8	200	ug/L	4	U	1	U	1	U	1	U	1	U	1	U	1.08	U
Iron, Dissolved				7439-89-6	300	ug/L	19300	U	1420	U	15700	U	7560	U	1680	U	2540	U	1070	U
Lead, Dissolved				7439-92-1	25	ug/L	10	U	1	U	1	U	1	U	1	U	1	U	1	U
Magnesium, Dissolved				7439-95-4	35000	ug/L	53800	U	12460	U	11240	U	10990	U	10690	U	9774	U	816.7	U
Manganese, Dissolved				7439-96-5	300	ug/L	13180	U	12460	U	11240	U	10990	U	10690	U	9774	U	816.7	U
Mercury, Dissolved				7439-97-6	0.7	ug/L	0.2	U	0.2	U	0.2	U	0.18	J	0.2	U	0.2	U	0.2	U
Nickel, Dissolved				7440-02-0	100	ug/L	20	U	0.81	U	0.79	U	0.86	J	0.78	J	0.68	J	3.86	U
Potassium, Dissolved				7440-09-7	ug/L	46400	U	43800	U	43800	U	47400	U	40600	U	39300	U	18900	U	
Selenium, Dissolved				7782-49-2	10	ug/L	50	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver, Dissolved				7440-22-4	50	ug/L	4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Sodium, Dissolved				7440-23-5	20000	ug/L	714000	U	589000	U	592000	U	616000	U	597000	U	546000	U	194000	U
Thallium, Dissolved				7440-28-0	0.5	ug/L	10	U	1	U	1	U	1	U	1	U	1	U	1	U
Vanadium, Dissolved				7440-63-2	ug/L	50	U	5	U	5	U	5	U	5	U	5	U	5	U	
Zinc, Dissolved				7440-66-6	2000	ug/L	100	U	10	U	10	U	10	U	10	U	10	U	10	U
General Chemistry																				
Chloride				16887-00-6	250000	ug/L	-	-	-	-	940000	U	1100000	U	980000	U	-	-	-	-
Chromium, Hexavalent				18540-29-9	50	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	3	J
Chromium, Hexavalent (Unfiltered)				18540-29-9	~	ug/L	3	J	3	J	17	U	50	U	19	U	50	U	11	U
Cyanide, Total				57-12-5	200	ug/L	57	U	5	U	5	U	4	U	4	U	5	U	2	J
Solids, Total				NONE	ug/L	-	-	-	-	-	2800000	U	2800000	U	2800000	U	-	-	-	-
Organochlorine Pesticides by GC																				
1,4-D DDT				7254-8	0.3	ug/L	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
1,4'-DDE				7255-9	0.2	ug/L	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
1,4'-DDT				109-29-3	0.2	ug/L	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Aldrin				509-02-2	~	ug/L	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Alpha-BHC				119-84-6	0.01	ug/L	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Beta-BHC				119-85-7	0.04	ug/L	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Chlordane				57-14-9	0.05	ug/L	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U
cis-Chlordane				1103-71-9	ug/L	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	
Delta-BHC				119-86-8	0.04	ug/L	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Dieldrin				605-71-1	0.004	ug/L	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan I				1059-88-8	ug/L	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	
Endosulfan II				1321345-9	~	ug/L	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan sulfate				1321401-4	~	ug/L	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endrin				72-20-8	6	ug/L	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endrin aldehyde				1421-93-4	5	ug/L	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endrin ketone				1340-20-5	5	ug/L	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Heptachlor				76-44-8	0.04	ug/L	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Heptachlor epoxide				1024-57-3	0.03	ug/L	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Lindane				58-89-8	0.05	ug/L	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Methoxychlor				72-43-5	35	ug/L	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U
Toxaphene				8001-35-2	0.06	ug/L	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U
trans-Chlordane				1103-74-2	~	ug/L	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Perfluorinated Alkyl Acids by EPA 1631																				
11-Chlorooctadecafluoro-3-Oxaundecane-1-Sulfonic Acid (B-2PFS)				763051-92-9	~	ug/L	0.032	U	0.00579	U	0.032	U	0.0128	U	0.0128	U	0.00594	U	0.006	U
1H,1H,2H,2H-Perfluorooctadecafluoro-1,7-Diol (B-2PFOA)				91528-34-4	~	ug/L	0.032	U	0.00579	U	0.032	U	0.0128	U	0.0128	U	0.00594	U	0.006	U
1H,1H,2H,2H-Perfluorooctadecafluoro-1,7-Diol (B-2PFOA)				91528-34-4	~	ug/L	0.032	U	0.00579	U	0.032	U	0.0128	U	0.0128	U	0.00594	U	0.006	U
1H,1H,2H,2H-Perfluorooctadecafluoro-1,7-Diol (B-2PFOA)				91528-34-4	~	ug/L	0.032	U	0.00579	U	0.032	U	0.0128	U	0.0128	U	0.00594	U	0.006	U
1H,1H,2H,2H-Perfluorooctadecafluoro-1,7-Diol (B-2PFOA)				91528-34-4	~	ug/L	0.032	U	0.00579	U	0.032	U	0.0128	U	0.0128	U	0.00594	U	0.006	U
1,2,3,4,5-Pentafluoropropionic Acid (7-3PFCa)				812-70-4	~	ug/L	0.2	U	0.0362	U	0.2	U	0.08	U	0.08	U	0.0371	U	0.0375	U
1,2,3,4,5-Pentafluoropropionic Acid (7-3PFCa)				812-70-4	~	ug/L	0.2	U	0.0362	U	0.2	U	0.08	U	0.08	U	0.0371	U	0.0375	U
1,2,3,4,5-Pentafluoropropionic Acid (7-3PFCa)				812-70-4	~	ug/L	0.2	U	0.0362	U	0.2	U	0.08	U	0.08	U	0.0371	U	0.0375	U
1,2,3,4,5-Pentafluoropropionic Acid (7-3PFCa)				812-70-4	~	ug/L	0.2	U	0.0362	U	0.2	U	0.08	U	0.08	U	0.0371	U	0.0375	U
1,2,3,4,5-Pentafluoropropionic Acid (7-3PFCa)				812-70-4																

LOCATION	SAMPLING DATE	LAB SAMPLE ID	NY- AWQS	Units	HRP MW3	MW-HRP-3	HRP-MW3-030724	HRP-MW-3-03-19-24	HRP-MW3-040224	HRP-MW-3-041624	HRP-MW-5A	HRP-MW-5A				
					2/25/2024	2/26/2024	3/7/2024	3/19/2024	4/2/2024	4/16/2024	1/23/2024	2/21/2024				
					L240441-0-01	L2409109-01	L2412507-01	L2414886-01	L2417832-01	L2420729-02	L2403806-06	L2409404-02				
					WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER				
					Results	Qual	Results	Qual	Results	Qual	Results	Qual				
Benzofluoranthene	207-08-9	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U			
Chrysene	218-01-9	0.002	ug/l	0.1	U	0.1	U	0.001	J	0.01	J	0.03	J			
Dibenzodihydrofluorene	133-70-9		ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U			
Fluoranthene	206-44-0	50	ug/l	0.03	J	0.1	U	0.03	J	0.04	J	0.06	J			
Fluorene	86-73-7	50	ug/l	0.03	J	0.1	U	0.1	U	0.01	0.09	0.14	0.05			
Hexachlorobenzene	118-74-1	0.04	ug/l	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U			
Hexachlorobiphenyl	87-48-3	0.5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U			
Hexachlorodiphenyl	87-72-1	5	ug/l	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U			
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U			
Naphthalene	91-20-3	10	ug/l	2.3	0.13	0.86	0.01	0.1	0.06	J	0.12	0.24	0.21			
Pentachlorophenol	87-86-5	1	ug/l	0.1	0.09	0.8	0.05	0.1	0.06	J	0.08	0.08	J			
Phenanthrene	85-01-8	50	ug/l	0.06	J	0.1	U	0.06	J	0.02	J	0.62	0.06			
Pyrene	129-00-9	50	ug/l	0.04	J	0.1	U	0.03	J	0.04	J	0.18	0.06			
Total Metals																
Aluminum, Total	7429-90-5	~	ug/l	232	451	1050	42.4	J	125	J	67.6	43.9	26.2			
Antimony, Total	7440-36-0	3	ug/l	40	4	U	0.84	J	20	U	4	U	4			
Arsenic, Total	7440-38-2	25	ug/l	5	U	1.84	2.16	1.74	J	2.17	J	2.83	7.06			
Barium, Total	7440-39-3	1000	ug/l	186.8	595.1	222.8	144.8	144.8	154.4	173.8	101.1	163.1	101.1			
Beryllium, Total	7440-41-7	3	ug/l	5	U	0.5	U	2.5	U	0.5	U	0.5	U			
Cadmium, Total	7440-43-9	~	ug/l	2	U	0.2	U	0.2	U	0.2	U	0.2	U			
Calcium, Total	7440-70-2	~	ug/l	291000	311000	289000	283000	354000	251000	174000	217000	217000				
Chromium, Total	7440-47-3	50	ug/l	10	U	1.69	2.25	5	U	0.77	J	1.77	J			
Cobalt, Total	7440-48-4	~	ug/l	5	U	0.66	1.07	2.5	U	0.49	J	0.53	1.06			
Copper, Total	7440-50-8	200	ug/l	10	U	1.21	3.74	5	U	0.61	J	0.43	J			
Iron, Total	7439-89-6	300	ug/l	45700	47000	45100	37500	39600	7977	7980	8900	8900				
Lead, Total	7439-92-1	25	ug/l	10	U	1.91	6.46	5	U	0.73	J	0.5	J			
Magnesium, Total	7439-95-4	35000	ug/l	50900	33400	56400	31400	50100	52500	55500	18800	18800				
Manganese, Total	7439-96-5	300	ug/l	33570	33300	12430	12500	31800	9777	12920	10130	10130				
Mercury, Total	7439-97-6	0.7	ug/l	0.2	U	0.2	U	0.53	0.2	U	0.2	U	0.2			
Nickel, Total	7440-02-0	100	ug/l	20	U	1.7	3.56	1.0	1.05	J	1.53	J	1.49			
Potassium, Total	7440-09-7	ug/l	42600	44400	45600	44400	45600	48900	39800	39800	17700	32400				
Selenium, Total	7782-49-2	10	ug/l	50	U	5	U	5	U	5	U	10	U			
Silver, Total	7440-22-4	50	ug/l	4	U	0.4	0.16	J	2	U	0.4	0.4	U			
Sodium, Total	7440-23-5	20000	ug/l	635000	579000	609000	645000	645000	136000	136000	184000	295000				
Thallium, Total	7440-28-0	0.5	ug/l	2.27	J	1	U	1	U	1	U	1	U			
Vanadium, Total	7440-62-2	ug/l	50	U	2.09	J	3.3	J	25	U	5	U	5			
Zinc, Total	7440-66-6	2000	ug/l	100	U	3.7	11.08	50	U	4.96	J	10	U			
Volatile Organics by GC/MS																
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,1,1-Trichloroethane	71-35-6	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U			
1,1,2-Trichloroethane	79-00-5	1	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U			
1,1-Dichloroethane	75-34-3	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,1-Dichloroethene	75-35-4	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U			
1,1-Dichloropropane	563-58-6	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,2,3-Trichloropropane	86-58-4	0.04	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,2,4,5-Tetramethylbenzene	95-58-2	5	ug/l	2	U	2	U	2	U	2	U	6.77	J			
1,2,4-Trichlorobenzene	120-82-7	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,2,4-Trimethylbenzene	95-63-6	6	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,2-Dibromomethane	106-93-4	0.0006	ug/l	2	U	2	U	2	U	2	U	2	U			
1,2-Dichlorobenzene	95-50-1	3	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,2-Dichloroethane	107-06-2	0.6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U			
1,2-Dichloroethene, Total	140-59-0	~	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,2-Dichloropropane	78-87-5	1	ug/l	1	U	1	U	1	U	1	U	1	U			
1,3,5-Trimethylbenzene	108-67-8	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,3-Dichlorobenzene	141-71-5	3	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,3-Dichloropropane	142-28-9	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,3-Dichloropropane, Total	142-75-6	~	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U			
1,4-Dichlorobenzene	106-46-7	3	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
1,4-Dioxane	123-91-1	250	ug/l	250	U	250	U	250	U	250	U	250	U			
2,2-Dichloropropane	78-42-3	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
2-Butanone	78-93-1	50	ug/l	5	U	5	U	5	U	5	U	5	U			
2-Pentanone	95-78-6	50	ug/l	5	U	5	U	5	U	5	U	5	U			
4-Methyl-2-pentanone	108-10-3	ug/l	5	U	5	U	5	U	5	U	5	10	U			
Acetone	67-64-1	50	ug/l	5	U	5	U	5	U	5	U	5	180	U		
Acrylonitrile	107-13-1	5	ug/l	5	U	5	U	5	U	5	U	5	10	U		
Benzene	71-43-2	1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	
Bromobenzene	108-86-3	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	
Bromochloromethane	74-97-5	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	
Bromodichloromethane	75-27-4	50	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	5	U	
Bromofum	75-25-2	50	ug/l	2	U	2	U	2	U	2	U	2	U	4	U	
Bromomethane	74-83-9	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	
Carbon disulfide	75-15-0	60	ug/l	5	U	5	U	5	U	5	U	5	10	U	U	
Carbon tetrachloride	56-23-5	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	5	U	
Chlorobenzene	108-90-7	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	
Chloroethane	75-00-3	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	
Chloroform	67-66-3	7	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	
Chloromethane	74-87-3	1	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	
cis-1,2-Dichloroethene	156-59-2	5	ug/l	2.5	U	2.5	U	3	U	2.5	U	2.5	U	5	U	
cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	
Dibromochloromethane	124-48-1	50	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	
Dibromomethane	74-95-3	5	ug/l	5	U	5	U	5	U	5	U	5	10	U	U	
Dichlorodifluoromethane	75-71-8	5	ug/l	5	U	5	U	5	U	5	U	5	10	U	U	
Ethyl ether	60-29-7	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2	U
Ethylbenzene	100-41-4	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	
Hexachlorodiphenyl	87-48-3	0.5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	
Isopropylbenzene	98-82-8	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	
Methyl tert butyl ether	1634-04-4	10	ug/l	3	2.7	2.4	J	2	J	2.2	J	1.6	J	5	U	
Methylene chloride	75-09-2	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	
n-Butylbenzene	104-51-8	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	
n-Propylbenzene	103-65-1	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.6	2.2	J	U	
Naphthalene	91-20-3	10	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.7	5	U	U	
n-Chlorotoluene	95-49-8	5	ug/l	2.5	U	2.5	U	2.5								

LOCATION	SAMPLING DATE	IN-ANALYST	Units	HRP-MW-5A-03-06-24	HRP-MW-5B-03-22-24	HRP-MW-5A-04-22-24	HRP-MW-5A-04-22-24	HRP-MW-5B	HRP-MW-5B	HRP-MW-5B-03-24-24	HRP-MW-5B-03-22-24	HRP-MW-5B-04-22-24	HRP-MW-5B-04-22-24
LAB SAMPLE ID	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE TYPE	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results
1,4-Dioxane by 8270E-SM													
1,4-Dioxane	123-91.1	~	ug/l	0.157	0.144	U	0.15	U	0.139	U	0.256	0.244	0.249
Disinfectant Metals													
Aluminum, Dissolved	7429-90.4	~	ug/l	68.4	15.7	21.1	4.02	J	4.02	J	10	U	31.4
Antimony, Dissolved	7440-36-0	3	ug/l	0.86	J	4	U	0.52	J	4	U	4	U
Arsenic, Dissolved	7440-38-2	25	ug/l	5.2	4.83	2.77	3	0.79	0.18	0.67	0.61	1.29	0.92
Barium, Dissolved	7440-39-3	1000	ug/l	33.9	72.64	28.27	58.95	48.18	60.81	44.81	58.38	54.81	54.81
Beryllium, Dissolved	7440-41-7	3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium, Dissolved	7440-43-9	5	ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Calcium, Dissolved	7440-70-2	~	ug/l	37900	189000	78000	90600	115000	116000	112000	133000	110000	108000
Chromium, Dissolved	7440-47-3	50	ug/l	1.01	0.81	J	0.2	J	1	U	1.03	1	U
Cobalt, Dissolved	7440-48-4	~	ug/l	1.77	1.05	1.02	0.86	0.44	0.34	0.43	0.25	0.62	0.26
Copper, Dissolved	7440-50-8	200	ug/l	10.24	3.51	4.37	0.78	J	0.82	J	1.5	0.86	1.09
Iron, Dissolved	7439-89-6	300	ug/l	50	U	31.2	133	34.6	J	50	U	50	U
Lead, Dissolved	7439-92-1	25	ug/l	1	U								
Magnesium, Dissolved	7439-95-4	3000	ug/l	995	30700	13700	31500	45300	37800	37300	37000	39300	34600
Manganese, Dissolved	7439-96-5	300	ug/l	35.24	453.9	225.5	344	425.6	981.8	961.2	293.1	474.3	261.7
Mercury, Dissolved	7439-97-6	0.7	ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Dissolved	7440-02-0	300	ug/l	11.16	5.81	5.77	3.3	8.71	13.58	11.5	10.57	10.2	8.78
Potassium, Dissolved	7440-09-7	~	ug/l	21200	26800	19400	24300	13900	14800	15700	20000	21300	11800
Selenium, Dissolved	7782-49-2	10	ug/l	2.36	J	5	U	5	U	5	U	5	U
Silver, Dissolved	7440-22-4	50	ug/l	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Sodium, Dissolved	7440-23-5	20000	ug/l	224000	198000	186000	165000	141000	155000	154000	135000	176000	132000
Thallium, Dissolved	7440-28-0	0.5	ug/l	1	U	1	U	1	U	1	U	1	U
Titanium, Dissolved	7440-62-2	~	ug/l	4.82	J	2.43	J	5	U	5	U	5	U
Zinc, Dissolved	7440-66-6	2000	ug/l	10	U	10	U	10	U	10	U	10	U
General Chemistry													
Chloride	16887-00-6	250000	ug/l	-	-	220000	170000	190000	-	-	-	270000	270000
Chromium, Hexavalent	18540-29-9	50	ug/l	10	U	10	U	10	U	10	U	10	U
Chromium, Hexavalent (Unfiltered)	18540-29-9	~	ug/l	8	J	10	J	4	J	3	J	10	U
Cumene, Total	97-125-7	200	ug/l	2	J	1	U	2	J	5	U	2	J
Solids, Total	NONE	~	ug/l	NONE	1100000	820000	J	2	J	5	U	5	U
Organochlorine Pesticides by GC													
4,4'-DDE	72-54-8	0.3	ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDT	72-55-9	0.2	ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDT	50-29-1	0.2	ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Aldrin	103-09-0	0	ug/l	0.014	U	0.014	U	0.007	U	0.014	U	0.014	U
Alpha-BHC	519-84-6	0.01	ug/l	0.014	U	0.014	U	0.007	U	0.014	U	0.014	U
Beta-BHC	519-85-7	0.04	ug/l	0.014	U	0.014	U	0.007	U	0.014	U	0.014	U
Chlordane	57-74-7	0.1	ug/l	0.143	U	0.143	U	0.073	U	0.143	U	0.143	U
Cis-Chlordane	5103-71-9	~	ug/l	0.014	U	0.014	U	0.007	U	0.014	U	0.014	U
Delta-BHC	519-86-8	0.04	ug/l	0.014	U	0.014	U	0.007	U	0.014	U	0.014	U
Dieldrin	60-57-1	0.004	ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan I	959-98-8	~	ug/l	0.014	U	0.014	U	0.007	U	0.014	U	0.014	U
Endosulfan II	33213-65-9	~	ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan sulfate	10131-07-8	~	ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endrin	72-20-6	0	ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Ethion	7429-93-4	5	ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Heptachlor	53684-10-5	~	ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Heptachlor epoxide	76-44-8	0.04	ug/l	0.014	U	0.014	U	0.007	U	0.014	U	0.014	U
Heptachlor spirodic	10247-57-3	0.03	ug/l	0.014	U	0.014	U	0.007	U	0.014	U	0.014	U
Lindane	58-89-7	0.05	ug/l	0.014	U	0.014	U	0.007	U	0.014	U	0.014	U
Methoxychlor	72-43-5	35	ug/l	0.143	U	0.143	U	0.073	U	0.143	U	0.143	U
Toxaphene	8001-35-2	0.06	ug/l	0.143	U	0.143	U	0.073	U	0.143	U	0.143	U
Trans-Chlordane	5103-74-2	~	ug/l	0.014	U	0.014	U	0.007	U	0.014	U	0.014	U
Perfluorinated Alkyl Acids by EPA 1631													
11-Chlorooctadecanoic Acid	76301-92-9	~	ug/l	0.00607	U	0.00609	U	0.00606	U	0.00622	U	0.00587	U
1H,1H,2H,2H-Perfluorooctanoic Acid (PF8)	335-018-14	~	ug/l	0.00622	U	0.00609	U	0.00606	U	0.00622	U	0.00587	U
1H,1H,2H,2H-Perfluorooctanoic Acid (PF8)	75712-72-4	~	ug/l	0.00607	U	0.00609	U	0.00606	U	0.00622	U	0.00587	U
1H,1H,2H,2H-Perfluorooctanoic Acid (PF8)	27619-97-2	~	ug/l	0.00622	U	0.00606	U	0.00606	U	0.00622	U	0.00587	U
1H,1H,2H,2H-Perfluorooctanoic Acid (PF8)	51463-48-3	~	ug/l	0.00622	U	0.00606	U	0.00606	U	0.00622	U	0.00587	U
3-Perfluorooctyl Propanoic Acid (3-PFCA)	812-70-4	~	ug/l	0.0379	U	0.038	U	0.0384	U	0.0389	U	0.0383	U
3-Perfluorooctyl Propanoic Acid (3-PFCA)	356-02-5	~	ug/l	0.00758	U	0.00761	U	0.00708	U	0.00778	U	0.00727	U
4-Dimethyl-2,2,2-Trifluoroethyl Sulfonamide (DMTSA)	75426-58-1	~	ug/l	0.00607	U	0.00609	U	0.00606	U	0.00622	U	0.00587	U
4-Chlorooctadecanoic Acid (4-ClODA)	75426-58-1	~	ug/l	0.00607	U	0.00609	U	0.00606	U	0.00622	U	0.00587	U
Hexafluoropropylene Oxide Dimer Acid (HPFO-DA)	12521-13-6	~	ug/l	0.00108	J	0.00609	U	0.00103	J	0.00622	U	0.00587	U
N-Ethyl Perfluorooctanoic Acid (N-Ethyl PFOA)	1691-99-2	~	ug/l	0.0152	U	0.0152	U	0.0142	U	0.0156	U	0.0145	U
N-Ethyl Perfluorooctanoic Acid (N-Ethyl PFOA)	2991-50-6	~	ug/l	0.0118	J	0.0152	U	0.00814	J	0.0156	U	0.0145	U
N-Methyl Perfluorooctanoic Acid (N-Methyl PFOA)	11506-12-8	~	ug/l	0.0152	U	0.0152	U	0.0142	U	0.0156	U	0.0145	U
N-Methyl Perfluorooctanoic Acid (N-Methyl PFOA)	24448-09-7	~	ug/l	0.0152	U	0.0152	U	0.0142	U	0.0156	U	0.0145	U
N-Methyl Perfluorooctanoic Acid (N-Methyl PFOA)	23511-51-9	~	ug/l	0.00902	J	0.0152	U	0.0142	U	0.0156	U	0.0145	U
Perfluorooctanoic Acid (PF8)	31172-18-6	~	ug/l	0.00303	U	0.00304	U	0.00283	U	0.00311	U	0.00291	U
Perfluorooctanoic Acid (PF8)	113507-82-7	~	ug/l	0.00303	U	0.00304	U	0.00283	U	0.00311	U	0.00291	U
Perfluorooctanoic Acid (PF8)	377-73-1	~	ug/l	0.00303	U	0.00304	U	0.00283	U	0.00311	U	0.00291	U
Perfluorooctanoic Acid (PF8)	86420-84-9	~	ug/l	0.00303	U	0.00304	U	0.00283	U	0.00311	U	0.00291	U
Perfluorooctanoic Acid (PF8)	375-73-5	~	ug/l	0.0034	U	0.00353	U	0.00406	U	0.00376	U	0.00485	U
Perfluorooctanoic Acid (PF8)	375-73-4	~	ug/l	0.0379	U	0.0212	U	0.0211	U	0.0376	U	0.0315	U
Perfluorooctanoic Acid (PF8)	335-73-2	~	ug/l	0.00353	U	0.00353	U	0.00343	U	0.00356	U	0.00345	U
Perfluorooctanoic Acid (PF8)	335-76-2	~	ug/l	0.0117	U	0.00455	U	0.00503	U	0.0116	U	0.00503	U
Perfluorooctadecanoic Acid (PF18)	7980-39-5	~	ug/l	0.00152	U	0.00152	U	0.00142	U	0.00156	U	0.00145	U
Perfluorooctadecanoic Acid (PF18)	801-55-1	~	ug/l	0.00152	U	0.00152	U	0.00142	U	0.00156	U	0.00145	U
Perfluorooctadecanoic Acid (PF18)	375-92-8	~	ug/l	0.00819	J	0.00513	U	0.00555	U	0.00156	U	0.00145	U
Perfluorooctadecanoic Acid (PF18)	375-95-9	~	ug/l	0.0292	U	0.0117	U	0.00819	J	0.00901	U	0.0111	U
Perfluorooctadecanoic Acid (PF18)	335-46-1	~	ug/l	0.0129	U	0.00447	U	0.00447	U	0.0111	U	0.0111	U
Perfluorooctadecanoic Acid (PF18)	307-24-4	~	ug/l	0.163	U	0.0277	U	0.008	U	0.0103	U	0.0111	U
Perfluorooctadecanoic Acid (PF18)	68259-12-1	~	ug/l	0.00152	U	0.00152	U	0.00142	U	0.00156	U	0.00145	U
Perfluorooctadecanoic Acid (PF18)	375-95-1	~	ug/l	0.0175	U	0.00152	U	0.00142	U	0.00156	U	0.00145	U
Perfluorooctadecanoic Acid (PF18)	754-91-6	~	ug/l	0.00212	F	0.00152	U	0.000998	F	0.00156	U	0.00145	U
Perfluorooctadecanoic Acid (PF18)	17631-21-1	0.0027	ug/l	0.101	0.0041	0.0021	0.0041	0.0021	0.0041	0.0027	0.0041	0.0027	0.0041
Perfluorooctadecanoic Acid (PF18)	131-671-1	0.0087	ug/l	0.0043	0.0069	0.0043	0.0069	0.0043	0.0069	0.0043	0.0069	0.0043	0.0069
Perfluorooctadecanoic Acid (PF18)	2706-91-4	~	ug/l	0.00152	U	0.0007	J	0.000175	J	0.000864	J	0.000976	J
Perfluorooctadecanoic Acid (PF18)	2706-90-3	~	ug/l	0.226	0.0342	0.0482	0.0482	0.0342	0.0482	0.226	0.0342	0.0482	0.0482
Perfluorooctadecanoic Acid (PF18)	375-95-1	~	ug/l	0.00152	U	0.00152	U	0.00142	U	0.00156	U	0.00145	U
Perfluorooctadecanoic Acid (PF18)	72629-94-8	~	ug/l	0.00152	U	0.00152	U	0.00142	U	0.00156	U	0.00145	U
Perfluorooctadecanoic Acid (PF18)	2058-94-8	~	ug/l										

LOCATION SAMPLING DATE LAS SAMPLE ID SAMPLE TYPE	NY- AWQS	Units	HRP-MW 5A-03-06-24		HRP-MW5A-03-22-24		HRP-MW5A-040224		HRP-MW5A-041824		HRP-MW 5B		HRP-MW 5B		HRP-MW 5B-03-06-24		HRP-MW5B-03-22-24		HRP-MW5B-040224		HRP-MW5B-041824		
			3/12/2024		3/12/2024		4/2/2024		4/2/2024		3/12/2024		3/12/2024		3/6/2024		3/12/2024		4/2/2024		4/18/2024		
			L2412176-03		L2415852-02		L2417823-06		L2421493-01		L2403806-07		L2409404-03		L2412176-04		L2415852-03		L2415158-03		L2421493-02		
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results
WATER																							
Benzofluoranthene		ug/l	0.02	J	0.1	U	0.1	U	0.1	U	0.1	U	0.09	J	0.04	J	0.03	J	0.01	J	0.02	J	
Chrysene		ug/l	0.04	J	0.1	U	0.1	U	0.07	J	0.02	J	0.18	J	0.06	J	0.09	J	0.01	J	0.01	J	
Dibenz(a,h)anthracene		ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.03	J	0.01	J	0.1	U	0.1	U	0.1	U	
Fluoranthene		ug/l	0.05	J	0.04	J	0.08	J	0.04	J	0.29	0.44	0.23	0.13	0.17	0.18	0.17	0.08	0.10	0.09	0.09		
Fluorene		ug/l	0.03	J	0.1	U	0.09	J	0.02	J	0.27	0.04	J	0.02	J	0.07	J	0.09	J	0.03	J	0.03	J
Hexachlorobenzene		ug/l	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	
Hexachlorobutadiene		ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	
Hexachlorocyclopentadiene		ug/l	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	
Indeno(1,2,3-cd)pyrene		ug/l	0.03	J	0.1	U	0.01	J	0.1	U	0.1	U	0.13	0.05	J	0.1	U	0.02	J	0.01	J	0.01	J
Naphthalene		ug/l	0.1	U	0.1	U	0.1	U	0.13	0.13	1	0.3	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Pentachlorophenol		ug/l	0.13	J	0.8	U	0.1	J	0.1	J	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.07	J	
Phenanthrene		ug/l	0.03	J	0.12	0.16	0.04	J	0.07	0.07	0.27	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.25	0.07	0.10	0.07	
Pyrene		ug/l	0.05	J	0.04	J	0.07	J	0.04	J	0.23	0.39	0.2	0.2	0.12	0.12	0.15	0.15	0.08	J	0.08	J	
Total Metals																							
Aluminum, Total		ug/l	180	J	47.4	408	202	344	229	104	104	229	104	104	104	104	104	104	104	104	104	104	
Antimony, Total		ug/l	1.04	J	4	U	0.53	J	0.57	J	8	U	4	U	4	U	4	U	4	U	4	U	
Arsenic, Total		ug/l	5.99	J	5.6	8.36	5.88	1.51	0.84	0.93	1.51	0.84	0.93	1.51	0.84	0.93	1.51	0.84	0.93	1.51	0.84	0.93	
Barium, Total		ug/l	31.34	J	84.79	35.19	75.59	59.68	63.33	64.36	68.22	61.56	66.11	68.22	61.56	66.11	68.22	61.56	66.11	68.22	61.56	66.11	
Beryllium, Total		ug/l	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	
Cadmium, Total		ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.4	U	0.09	J	0.06	J	0.06	J	0.08	J	0.06	J	
Calcium, Total		ug/l	44400	J	124000	94000	116000	110000	116000	116000	119000	116000	119000	116000	119000	116000	119000	116000	119000	116000	119000	116000	
Chromium, Total		ug/l	1.5	U	0.83	J	3.44	0.72	J	1.92	J	0.81	J	0.52	J	0.44	J	0.79	J	0.48	J	0.48	J
Cobalt, Total		ug/l	2.03	J	1.13	1.41	1.11	1.37	0.61	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	
Copper, Total		ug/l	18.09	J	2.67	14.26	2.4	2.93	1.72	1.52	1.63	1.44	1.48	1.52	1.63	1.44	1.48	1.52	1.63	1.44	1.48	1.52	
Lead, Total		ug/l	0.71	J	0.71	2.00	3.80	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	
Lead, Total		ug/l	0.47	J	1	U	1.92	0.68	J	1.24	J	0.91	J	1.29	1.85	1.29	1.85	1.29	1.85	1.29	1.85	1.29	1.85
Magnesium, Total		ug/l	636	J	12500	13000	36600	41000	37800	38000	41000	37800	38000	41000	37800	38000	41000	37800	38000	41000	37800	38000	
Manganese, Total		ug/l	89.29	J	38.7	247.2	358.3	592.4	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	
Mercury, Total		ug/l	0.19	J	1	U	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.16	J	0.01	J	0.11	J	0.2	0.2	
Nickel, Total		ug/l	13.2	J	5.84	7.43	3.55	13.4	14.3	13.27	12.06	14.52	10.42	14.52	12.06	14.52	10.42	14.52	12.06	14.52	10.42	14.52	
Potassium, Total		ug/l	22600	J	28600	24000	28800	13800	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	
Selenium, Total		ug/l	2.72	J	5	U	2.31	J	5	U	30	U	5	U	5	U	5	U	5	U	5	U	
Silver, Total		ug/l	0.4	U	0.4	U	0.4	U	0.4	U	10	U	0.4	U	10	U	0.4	U	10	U	0.4	U	
Sodium, Total		ug/l	210000	J	200000	170000	182000	151000	152000	161000	147000	171000	147000	171000	147000	171000	147000	171000	147000	171000	147000	171000	
Thallium, Total		ug/l	0.5	U	1	U	1	U	1	U	2	U	1	U	1	U	1	U	1	U	1	U	
Vanadium, Total		ug/l	7.52	J	3.65	J	17.01	3.85	J	30	U	5	U	5	U	5	U	4.99	J	3.98	J	3.98	J
Zinc, Total		ug/l	10	U	10	U	4.32	J	3.7	J	20	U	4.19	J	4.76	J	3.19	J	3.98	J	3.98	J	
Volatile Organics by GC/MS																							
1,1,1,2-Tetrachloroethane		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
1,1,1-Trichloroethane		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
1,1,2,2-Tetrachloroethane		ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	
1,1,2-Trichloroethane		ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	
1,1-Dichloroethane		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
1,1-Dichloroethene		ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.27	0.17	0.3	J	0.43	J	0.43	J	0.42	J	0.4	J	
1,1-Dichloropropane		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
1,2-Dichloropropane		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
1,2,3-Trichloropropane		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
1,2,4,5-Tetramethylbenzene		ug/l	2	U	2	U	2	U	2	U	2.5	U	2	U	2	U	2	U	2	U	2	U	
1,2,4-Trichlorobenzene		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
1,2,4-Trimethylbenzene		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
1,2-Dibromo-3-chloropropane		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
1,2-Dichlorobenzene		ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
1,2-Dichloropropane		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
1,2-Dichloroethene, Total		ug/l	0.6	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	
1,4-Dichlorobenzene		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
1,4-Dichloropropane		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
1,4-Dioxane		ug/l	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	
2,2-Dichloropropane		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
2-Bromobenzene		ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
2-Naphthol		ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
4-Methyl-2-pentanone		ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
Acetone		ug/l	16	U	16	U	16	U	16	U	16	U	16	U	16	U	16	U	16	U	16	U	
Acrylonitrile		ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
Benzene		ug/l	7.143	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	
Bromobenzene		ug/l	108.861	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	

**Appendix A: Photo Log of Sampling and Excavation
Activities**

318 Nevins Street, Brooklyn, NY





Photograph No. 1: Representative photo of Tank-11 located in grid O6, encased in concrete on 2/2/24.



Photograph No. 2: Representative photo of Tank-11 located in grid O6, encased in concrete on 2/5/24.





Photograph No. 3: Representative photo of soil screening around concrete encasement on 2/5/24.



Photograph No. 4: Representative photo of measurement of tank contents on 2/5/24.





Photograph No. 5: Representative photo of tank located in grid O6, encased in concrete with ATMOS foam applied on 2/5/24.



Photograph No. 6: Representative photo of tank located in grid O6, encased in concrete with ATMOS foam applied on 2/5/24.





Photograph No. 7: Representative photo of Tank-11 area covered in poly sheeting and soil stockpile on 2/7/27.



Photograph No. 8: Representative photo of PAL pumping out Tank-11 on 2/7/24.





Photograph No. 9: Representative photo of Tank-11 removal on 3/01/24.



Photograph No. 10: Representative photo of Tank-11 removal on 3/01/24.





Photograph No. 11: Representative photo of Tank-11 on 3/01/24.



Photograph No. 12: Representative photo of excavation area and stockpile on 3/01/24





Photograph No. 13: Representative photo of Tank-11 on 3/01/24.



Photograph No. 14: Representative photo of PAL prepping Tank-11 for disposal on 3/04/24.





Photograph No. 15: Representative photo of sidewall and endpoint sampling conducted on 3/12/24.



Photograph No. 16: Representative photo of temporary backfill placement on 3/12/24.





Photograph No. 17: Representative photo of additional excavation on 3/13/24.



Photograph No. 18: Representative photo of additional excavation and ATMOS application on 3/13/24.





Photograph No. 19: Representative photo of delineation soil borings on 3/29/24.



Photograph No. 20: Representative photo of DB-1 (15-20').





Photograph No. 21: Representative photo of DB-1 (20-25').



Photograph No. 22: Representative photo of DB-2.





Photograph No. 23: Representative photo of DB-3.



Photograph No. 24: Representative photo of DB-4.





Photograph No. 25: Representative photo of DB-5.



Photograph No. 26: Representative photo of DB-6.





Photograph No. 27: Representative photo of DB-7.



Appendix B: Boring Logs

318 Nevins Street, Brooklyn, NY



SOIL BORING LOG

		Impact Environmental Closures, Inc. 170 Keyland Court Bohemia, NY 11716 P. (631) 269-8800 F. (631) 269-1599					Project #: 15977		Boring ID: <u>DB-1</u>
							Site/Project Name: 318 Nevins Street		
							Site Address: 318 Nevins Street		
							Weather:		
Start Date: 3/26/24		Drilling Company: Coastal					Total Depth: 25		
Start Time:		Driller:					GW: 6-7		
Completion Date: 3/26/24		Drill Rig: 6620DT					GPS Coordinates: N 186684.259, E 987652.573		
Completion Time:		Sampler Type/Len: Macro Core							
Depth (Feet)	PID (ppmv)	Sample ID	Depth (From-To)	Moisture Content	Recovery (Inches)	USCS Symbol	Soil Description	Notes	
— 1 —	0.0		0-5	Dry	45"	Fill	Crushed limestone, Approved Backfill		
— 2 —	0.0								
— 3 —	0.0								
— 4 —	0.0								
— 5 —	0.0								
— 6 —	2.6		5-10	Moist	27"	SP	Light gray to black fine to medium sand, little silt, trace clay, Fill (ash, cinders)	slight odor	
— 7 —	77.9								
— 8 —	203.8								
— 9 —	159.4								
— 10 —	750.6	DB-1 (10)							
— 11 —	50.5								
— 12 —	9.7		10-15	Moist	30"	SP	brown fine to medium sand, some clay, trace silt, peat	slight odor	
— 13 —	14.2								
— 14 —	1.5								
— 15 —	0.4	DB-1 (15)							
— 16 —	1.8								
— 17 —	1021.0		15-20	Wet	60"	SP	Gray fine to medium sand, trace silt	slight odor	
— 18 —	381.3								
— 19 —	108.9								
— 20 —	55.7	DB-1 (20)							
— 21 —	66.6								
— 22 —	28.4		20-25	Wet	32"	SP	Gray fine to medium sand, trace silt	slight odor	
— 23 —	12.0								
— 24 —	6.3	DB-1 (25)							
— 25 —	6.1								
									End of boring at <u>25</u> feet

SOIL BORING LOG

 Impact Environmental Closures, Inc. 170 Keyland Court Bohemia, NY 11716 P. (631) 269-8800 F. (631) 269-1599						Project #: 15977		Boring ID: <u>DB-2</u>
						Site/Project Name: 318 Nevins Street		
						Site Address: 318 Nevins Street		
						Weather:		
Start Date: 3/29/24						Geologist: Marius Sidlauskas		Total Depth: 20
Start Time:						Drilling Company: PG		GW: 6-7
Completion Date: 3/29/24						Driller:		
Completion Time:						Drill Rig: 6712 DT		GPS Coordinates:
						Sampler Type/Len: Macro Core		N 186695.386, E 987621.156

Depth (Feet)	PID (ppmv)	Sample ID	Depth (From-To)	Moisture Content	Recovery (Inches)	USCS Symbol	Soil Description	Notes
— 1 —	0.0		0-5	Dry	45"	Fill	Crushed limestone, approved backfill Fill (ash), dark gray fine to medium sand	
— 2 —	0.0							
— 3 —	0.0							
— 4 —	0.0							
— 5 —	0.0	DB-2 (5)						
— 6 —	0.0		5-10	Moist	28"	SP CL	Brown fine to medium sand, some silt, trace clay Dark brown to gray clay	
— 7 —	0.0							
— 8 —	0.0							
— 9 —	0.0							
— 10 —	0.0	DB-2 (10)						
— 11 —	0.0		10-15	Wet	57"	PT	Dark brown to gray peat, some clay, trace sand Brown Peat	
— 12 —	0.0							
— 13 —	0.0							
— 14 —	0.0							
— 15 —	0.0	DB-2 (15)						
— 16 —	0.2		15-20	Wet	55"	PT	Brown peat	
— 17 —	0.3							
— 18 —	0.1							
— 19 —	0.0	DB-2 (20)						
— 20 —								
							End of boring at 20 feet	

SOIL BORING LOG

 Impact Environmental Closures, Inc. 170 Keyland Court Bohemia, NY 11716 P. (631) 269-8800 F. (631) 269-1599							Project #: 15977		Boring ID: <u>DB-3</u>	
							Site/Project Name: 318 Nevins Street			
							Site Address: 318 Nevins Street			
							Weather:			
Geologist: Marius Sidlauskas							Total Depth: 20			
Start Date: 3/29/24							Drilling Company: PG		GW: 6-7	
Start Time:							Driller:			
Completion Date: 3/29/24							Drill Rig: 6712 DT		GPS Coordinates:	
Completion Time:							Sampler Type/Len: Macro Core		N 186659.464	
									E 987620.061	
Depth (Feet)	PID (ppmv)	Sample ID	Depth (From-To)	Moisture Content	Recovery (Inches)	USCS Symbol	Soil Description	Notes		
— 0 —	0.0		0-5	Dry	50"	Fill	Crushed Limestone, Approved Backfill			
— 1 —	0.0									
— 2 —	0.3									
— 3 —	27.2									
— 4 —	0.0	DB-3 (5)								
— 5 —	0.0									
— 6 —	0.0		5-10	Wet / Moist	52"	SP CL	Dark/reddish brown fine to medium sand and peat, trace clay Gray fine to medium sand, trace peat Gray Clay			
— 7 —	0.0									
— 8 —	0.0									
— 9 —	0.0									
— 10 —	0.0	DB-3 (10)								
— 11 —	0.0									
— 12 —	0.0		10-15	Wet / Moist	55'	SP PT	Gray to brown fine to medium sand, some silt, trace clay and peat Gray-brown Peat			
— 13 —	0.0									
— 14 —	0.0									
— 15 —	0.1	DB-3 (15)								
— 16 —	2.0									
— 17 —	1.3		15-20	Wet / Moist	57"	SP	Gray fine to medium sand, some silt, trace clay and peat	Odors		
— 18 —	1.3									
— 19 —	0.0	DB-3 (20)								
— 20 —	0.0									
									End of boring at 20 feet	

SOIL BORING LOG

 Impact Environmental Closures, Inc. 170 Keyland Court Bohemia, NY 11716 P. (631) 269-8800 F. (631) 269-1599		Project #: 15977		Boring ID: <u>DB-4</u>				
		Site/Project Name: 318 Nevins Street						
		Site Address: 318 Nevins Street						
		Weather:						
Geologist: Marius Sidlauskas		Total Depth: 20						
Start Date: 3/29/24		Drilling Company: PG		GW: 6-7				
Start Time:		Driller:						
Completion Date: 3/29/24		Drill Rig: 6712 DT		GPS Coordinates:				
Completion Time:		Sampler Type/Len: Macro Core		N 186649.089 E 987637.091				
Depth (Feet)	PID (ppmv)	Sample ID	Depth (From-To)	Moisture Content	Recovery (Inches)	USCS Symbol	Soil Description	Notes
— 1 —	0.0		0-5	Dry	46"	Fill	Crushed limestone, approved backfill	
— 2 —	0.0							
— 3 —	0.0							
— 4 —	0.0							
— 5 —	0.0	DB-4 (5)						
— 6 —	0.0							
— 7 —	0.0		5-10	Moist	47"	SP	Reddish brown fine to medium sand, some fill (bick, cinder) silt, trace clay Gray fine sand, some clay and silt, trace peat	
— 8 —	0.0							
— 9 —	0.0							
— 10 —	0.0	DB-4 (10)						
— 11 —	0.0							
— 12 —	0.0		10-15	Wet	45"	SP	Gray fine sand, some clay and silt, trace peat, gravel	
— 13 —	0.0							
— 14 —	0.0							
— 15 —	0.0	DB-4 (15)						
— 16 —	0.0							
— 17 —	0.1		15-20	Wet	56"	CL SP/ML	Gray to brown peat and clay Gray fine to medium sand, some silt, trace clay and peat	
— 18 —	0.0							
— 19 —	0.0	DB-4 (20)						
— 20 —	0.0							
End of boring at 20 feet								

SOIL BORING LOG

 Impact Environmental Closures, Inc. 170 Keyland Court Bohemia, NY 11716 P. (631) 269-8800 F. (631) 269-1599						Project #: 15977		Boring ID: <u>DB-5</u>	
						Site/Project Name: 318 Nevins Street			
						Site Address: 318 Nevins Street			
						Weather:			
Start Date: 3/29/24						Geologist: Marius Sidlauskas		Total Depth: 20	
Start Time:						Drilling Company: PG		GW: 6-7	
Completion Date: 3/29/24						Driller:			
Completion Time:						Drill Rig: 6712 DT		GPS Coordinates:	
						Sampler Type/Len: Macro Core		N 186650.922 E 987654.598	
Depth (Feet)	PID (ppmv)	Sample ID	Depth (From-To)	Moisture Content	Recovery (Inches)	USCS Symbol	Soil Description	Notes	
— 1 —	0.0		0-5	Dry	48"	Fill	Crushed limestone, approved backfill		
— 2 —	0.0								
— 3 —	0.0								
— 4 —	0.0								
— 5 —	0.0	DB-5 (5)							
— 6 —	0.9								
— 7 —	6.4		5-10	Moist	49"	SP/Fill CL SP/ML	Brown to gray fine to medium sand and fill (brick, cinders) gray clay, some silt and brown fine to medium sand Dark gray fine to medium sand, some silt, trace clay		
— 8 —	10.2								
— 9 —	18.6								
— 10 —	19.0	DB-5 (10)							
— 11 —	34.0								
— 12 —	37.1		10-15	Wet	57"	PT PT/CL	Gray clay and peat Peat, some gray to brown clay		
— 13 —	3.5								
— 14 —	3.0								
— 15 —	2.8	DB-5 (15)							
— 16 —	0.0								
— 17 —	0.0		15-20	Wet	53"	SP	Brown fine sand		
— 18 —	0.4								
— 19 —	0.6	DB-5 (20)							
— 20 —	0.0								
									End of boring at 20 feet

SOIL BORING LOG

 Impact Environmental Closures, Inc. 170 Keyland Court Bohemia, NY 11716 P. (631) 269-8800 F. (631) 269-1599		Project #: 15977		Boring ID: <u>DB-6</u>				
		Site/Project Name: 318 Nevins Street						
		Site Address: 318 Nevins Street						
		Weather:						
Geologist: Marius Sidlauskas		Total Depth: 20						
Start Date: 3/29/24		Drilling Company: PG		GW: 6-7				
Start Time:		Driller:						
Completion Date: 3/29/24		Drill Rig: 6712 DT		GPS Coordinates:				
Completion Time:		Sampler Type/Len: Macro Core		N 186672.825 E 987672.661				
Depth (Feet)	PID (ppmv)	Sample ID	Depth (From-To)	Moisture Content	Recovery (Inches)	USCS Symbol	Soil Description	Notes
— 0.0			0-5	Dry	36"	Fill	Crushed limestone, approved backfill	
— 1 — 0.0								
— 2 — 0.2								
— 3 — 0.0								
— 4 — 0.8								
— 5 — 0.0		DB-6 (5)	5-10	Moist	49"	SP/Fill	red to brown fine to medium sand, fill (brick) Gray fine to medium sand and fill (brick)	
— 6 — 0.2								
— 7 — 0.8								
— 8 — 11.9								
— 9 — 41.3		DB-6 (10)	10-15	Wet	56"	SP/Fill SP/ML	Gray fine to medium sand and fill (brick), some peat, trace clay Brown fine to medium sand, some silt and clay	Odor
— 10 — 18.1								
— 11 — 40.5								
— 12 — 46.0								
— 13 — 292.0		DB-6 (15)	15-20	Wet	58"	SP/ML	Dark gray fine to medium sand , some silt, trace clay Brown to gray fine to medium sand, some silt, trace clay	Odor
— 14 — 878.0								
— 15 — 53.8								
— 16 — 269.0								
— 17 — 1302.0		DB-6 (20)						
— 18 — 590.0								
— 19 — 29.3								
— 20 —			End of boring at _ feet					

SOIL BORING LOG

		Impact Environmental Closures, Inc. 170 Keyland Court Bohemia, NY 11716 P. (631) 269-8800 F. (631) 269-1599		Project #: 15977			Boring ID: <u>DB-7</u>	
				Site/Project Name: 318 Nevins Street				
				Site Address: 318 Nevins Street				
				Weather:				
Start Date: 3/29/24			Drilling Company: PG			Total Depth: 20		
Start Time:			Driller:					
Completion Date: 3/29/24			Drill Rig: 6712 DT			GPS Coordinates: N 186667.245 E 987681.006		
Completion Time:			Sampler Type/Len: Macro Core					
Depth (Feet)	PID (ppmv)	Sample ID	Depth (From-To)	Moisture Content	Recovery (Inches)	USCS Symbol	Soil Description	Notes
— 1 —	0.0		0-5	Dry	39"	Fill	Crushed limestone, approved backfill	
— 2 —	0.0							
— 3 —	0.0							
— 4 —	0.0							
— 5 —	0.0	DB-7 (5)						
— 6 —	0.0							
— 7 —	0.4		5-10	Moist	44"	Fill/SP	Fill and gray brown fine to medium sand Gray fine to medium sand, some silt, trace clay	
— 8 —	0.9							
— 9 —	82.1							
— 10 —	1.9	DB-7 (10)						
— 11 —	1.3							
— 12 —	23.2		10-15	Wet	56"	SP	yellow to brown fine to medium sand	
— 13 —	1.0							
— 14 —	0.2							
— 15 —	0.1	DB-7 (15)						
— 16 —	0.0							
— 17 —	0.0		15-20	Wet	40"	SP	yellow to brown fine to medium sand	
— 18 —	0.0							
— 19 —	0.0	DB-7 (20)						
— 20 —	0.0							

Appendix C: Laboratory Reports

318 Nevins Street, Brooklyn, NY





ANALYTICAL REPORT

Lab Number:	L2413371
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Diana Posten
Phone:	(631) 269-8800
Project Name:	318 NEVINS
Project Number:	15977
Report Date:	03/13/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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



Project Name: 318 NEVINS
Project Number: 15977

Lab Number: L2413371
Report Date: 03/13/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2413371-01	20BSPILL#2308807- SIDEWALL-N-03-12-24	SOIL	BROOKLYN, NY	03/12/24 11:00	03/12/24
L2413371-02	20BSPILL#2308807- SIDEWALL-S-03-12-24	SOIL	BROOKLYN, NY	03/12/24 11:30	03/12/24
L2413371-03	20BSPILL#2308807- SIDEWALL-E-03-12-24	SOIL	BROOKLYN, NY	03/12/24 11:15	03/12/24
L2413371-04	20BSPILL#2308807- SIDEWALL-W-03-12-24	SOIL	BROOKLYN, NY	03/12/24 11:45	03/12/24
L2413371-05	TRIP BLANK	WATER	BROOKLYN, NY	02/19/24 00:00	03/12/24

Project Name: 318 NEVINS
Project Number: 15977

Lab Number: L2413371
Report Date: 03/13/24

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: 318 NEVINS
Project Number: 15977

Lab Number: L2413371
Report Date: 03/13/24

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.

Volatile Organics

L2413371-01: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (230%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2413371-02: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (251%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2413371-02: The surrogate recovery is outside the method acceptance criteria for dibromofluoromethane (61%) due to interference with the Internal Standard.

L2413371-04: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

L2413371-04: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (239%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

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: 03/13/24

ORGANICS

VOLATILES

Project Name: 318 NEVINS**Lab Number:** L2413371**Project Number:** 15977**Report Date:** 03/13/24**SAMPLE RESULTS**

Lab ID: L2413371-01
 Client ID: 20BSPILL#2308807-SIDEWALL-N-03-12-24
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 11:00
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/13/24 10:29
 Analyst: AJK
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	4.4		ug/kg	0.75	0.25	1
Toluene	ND		ug/kg	1.5	0.82	1
Ethylbenzene	7.8		ug/kg	1.5	0.21	1
p/m-Xylene	1.7	J	ug/kg	3.0	0.84	1
o-Xylene	2.5		ug/kg	1.5	0.44	1
Xylenes, Total	4.2	J	ug/kg	1.5	0.44	1
n-Butylbenzene	11		ug/kg	1.5	0.25	1
sec-Butylbenzene	20		ug/kg	1.5	0.22	1
tert-Butylbenzene	2.4	J	ug/kg	3.0	0.18	1
Isopropylbenzene	12		ug/kg	1.5	0.16	1
p-Isopropyltoluene	11		ug/kg	1.5	0.16	1
Naphthalene	6.2		ug/kg	6.0	0.98	1
n-Propylbenzene	13		ug/kg	1.5	0.26	1
1,3,5-Trimethylbenzene	10		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	2.7	J	ug/kg	3.0	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	230	Q	70-130
Dibromofluoromethane	87		70-130

Project Name: 318 NEVINS**Lab Number:** L2413371**Project Number:** 15977**Report Date:** 03/13/24**SAMPLE RESULTS**

Lab ID: L2413371-02
 Client ID: 20BSPILL#2308807-SIDEWALL-S-03-12-24
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 11:30
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/13/24 11:47
 Analyst: AJK
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	330		ug/kg	31	10.	1
Toluene	240		ug/kg	61	33.	1
Ethylbenzene	1500		ug/kg	61	8.6	1
p/m-Xylene	600		ug/kg	120	34.	1
o-Xylene	400		ug/kg	61	18.	1
Xylenes, Total	1000		ug/kg	61	18.	1
n-Butylbenzene	3700		ug/kg	61	10.	1
sec-Butylbenzene	2000		ug/kg	61	9.0	1
tert-Butylbenzene	350		ug/kg	120	7.2	1
Isopropylbenzene	5400		ug/kg	61	6.7	1
p-Isopropyltoluene	2400		ug/kg	61	6.7	1
Naphthalene	5200		ug/kg	240	40.	1
n-Propylbenzene	9700		ug/kg	61	10.	1
1,3,5-Trimethylbenzene	530		ug/kg	120	12.	1
1,2,4-Trimethylbenzene	260		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	251	Q	70-130
Dibromofluoromethane	61	Q	70-130

Project Name: 318 NEVINS**Lab Number:** L2413371**Project Number:** 15977**Report Date:** 03/13/24**SAMPLE RESULTS**

Lab ID: L2413371-03
 Client ID: 20BSPILL#2308807-SIDEWALL-E-03-12-24
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 11:15
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/13/24 11:21
 Analyst: AJK
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	4900		ug/kg	61	20.	1
Toluene	690		ug/kg	120	67.	1
Ethylbenzene	5700		ug/kg	120	17.	1
p/m-Xylene	15000		ug/kg	240	69.	1
o-Xylene	1800		ug/kg	120	36.	1
Xylenes, Total	17000		ug/kg	120	36.	1
n-Butylbenzene	540		ug/kg	120	20.	1
sec-Butylbenzene	530		ug/kg	120	18.	1
tert-Butylbenzene	100	J	ug/kg	240	14.	1
Isopropylbenzene	1800		ug/kg	120	13.	1
p-Isopropyltoluene	550		ug/kg	120	13.	1
Naphthalene	790		ug/kg	490	80.	1
n-Propylbenzene	2200		ug/kg	120	21.	1
1,3,5-Trimethylbenzene	2600		ug/kg	240	24.	1
1,2,4-Trimethylbenzene	9200		ug/kg	240	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	86		70-130

Project Name: 318 NEVINS**Lab Number:** L2413371**Project Number:** 15977**Report Date:** 03/13/24**SAMPLE RESULTS**

Lab ID: L2413371-04
 Client ID: 20BSPILL#2308807-SIDEWALL-W-03-12-24
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 11:45
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/13/24 10:55
 Analyst: AJK
 Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	64		ug/kg	53	18.	1
Toluene	68	J	ug/kg	100	57.	1
Ethylbenzene	45	J	ug/kg	100	15.	1
p/m-Xylene	320		ug/kg	210	59.	1
o-Xylene	89	J	ug/kg	100	31.	1
Xylenes, Total	410	J	ug/kg	100	31.	1
n-Butylbenzene	1600		ug/kg	100	18.	1
sec-Butylbenzene	2500		ug/kg	100	15.	1
tert-Butylbenzene	510		ug/kg	210	12.	1
Isopropylbenzene	3700		ug/kg	100	12.	1
p-Isopropyltoluene	220		ug/kg	100	12.	1
Naphthalene	530		ug/kg	420	69.	1
n-Propylbenzene	3900		ug/kg	100	18.	1
1,3,5-Trimethylbenzene	48	J	ug/kg	210	20.	1
1,2,4-Trimethylbenzene	110	J	ug/kg	210	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	239	Q	70-130
Dibromofluoromethane	86		70-130

Project Name: 318 NEVINS

Lab Number: L2413371

Project Number: 15977

Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2413371-05
 Client ID: TRIP BLANK
 Sample Location: BROOKLYN, NY

Date Collected: 02/19/24 00:00
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 03/13/24 08:36
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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
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
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
n-Propylbenzene	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: 318 NEVINS

Lab Number: L2413371

Project Number: 15977

Report Date: 03/13/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 03/13/24 08:14

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1895631-5					
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	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
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
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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: 318 NEVINS

Lab Number: L2413371

Project Number: 15977

Report Date: 03/13/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/13/24 10:03
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1895732-5					
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	93		70-130

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413371

Report Date: 03/13/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/13/24 10:03
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-04 Batch: WG1895735-5					
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413371

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1895631-3 WG1895631-4								
Benzene	100		100		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	100		100		70-130	0		20
Methyl tert butyl ether	90		95		63-130	5		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		100		70-130	0		20
n-Butylbenzene	120		120		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	87		92		70-130	6		20
n-Propylbenzene	110		110		69-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	101		103		70-130
Dibromofluoromethane	100		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413371

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1895732-3 WG1895732-4								
Benzene	102		100		70-130	2		30
Toluene	95		94		70-130	1		30
Ethylbenzene	100		98		70-130	2		30
p/m-Xylene	102		99		70-130	3		30
o-Xylene	98		95		70-130	3		30
n-Butylbenzene	103		100		70-130	3		30
sec-Butylbenzene	100		96		70-130	4		30
tert-Butylbenzene	95		92		70-130	3		30
Isopropylbenzene	96		92		70-130	4		30
p-Isopropyltoluene	97		94		70-130	3		30
Naphthalene	82		80		70-130	2		30
n-Propylbenzene	99		96		70-130	3		30
1,3,5-Trimethylbenzene	95		92		70-130	3		30
1,2,4-Trimethylbenzene	93		89		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	92		91		70-130
Dibromofluoromethane	95		95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413371

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-04 Batch: WG1895735-3 WG1895735-4								
Benzene	102		100		70-130	2		30
Toluene	95		94		70-130	1		30
Ethylbenzene	100		98		70-130	2		30
p/m-Xylene	102		99		70-130	3		30
o-Xylene	98		95		70-130	3		30
n-Butylbenzene	103		100		70-130	3		30
sec-Butylbenzene	100		96		70-130	4		30
tert-Butylbenzene	95		92		70-130	3		30
Isopropylbenzene	96		92		70-130	4		30
p-Isopropyltoluene	97		94		70-130	3		30
Naphthalene	82		80		70-130	2		30
n-Propylbenzene	99		96		70-130	3		30
1,3,5-Trimethylbenzene	95		92		70-130	3		30
1,2,4-Trimethylbenzene	93		89		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	92		91		70-130
Dibromofluoromethane	95		95		70-130

SEMIVOLATILES

Project Name: 318 NEVINS**Lab Number:** L2413371**Project Number:** 15977**Report Date:** 03/13/24**SAMPLE RESULTS**

Lab ID: L2413371-01
 Client ID: 20BSPILL#2308807-SIDEWALL-N-03-12-24
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 11:00
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/13/24 12:29
 Analyst: JG
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 03/13/24 02:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	81	J	ug/kg	110	22.	1
Benzo(a)anthracene	40	J	ug/kg	110	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	45	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	37	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	24	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	51	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	75	J	ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	71		30-120
4-Terphenyl-d14	73		18-120

Project Name: 318 NEVINS**Lab Number:** L2413371**Project Number:** 15977**Report Date:** 03/13/24**SAMPLE RESULTS**

Lab ID: L2413371-02
 Client ID: 20BSPILL#2308807-SIDEWALL-S-03-12-24
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 11:30
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/13/24 12:46
 Analyst: JG
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 03/13/24 02:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	28	J	ug/kg	150	20.	1
Fluoranthene	150		ug/kg	120	22.	1
Benzo(a)anthracene	77	J	ug/kg	120	22.	1
Benzo(a)pyrene	64	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	77	J	ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	69	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	38	J	ug/kg	120	38.	1
Benzo(ghi)perylene	37	J	ug/kg	150	23.	1
Fluorene	26	J	ug/kg	190	19.	1
Phenanthrene	150		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	32	J	ug/kg	150	27.	1
Pyrene	140		ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	113		23-120
2-Fluorobiphenyl	64		30-120
4-Terphenyl-d14	63		18-120

Project Name: 318 NEVINS**Lab Number:** L2413371**Project Number:** 15977**Report Date:** 03/13/24**SAMPLE RESULTS**

Lab ID: L2413371-03
 Client ID: 20BSPILL#2308807-SIDEWALL-E-03-12-24
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 11:15
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/13/24 13:04
 Analyst: JG
 Percent Solids: 76%

Extraction Method: EPA 3546
 Extraction Date: 03/13/24 02:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	32	J	ug/kg	170	22.	1
Fluoranthene	85	J	ug/kg	130	25.	1
Benzo(a)anthracene	27	J	ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	28	J	ug/kg	220	21.	1
Phenanthrene	120	J	ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	79	J	ug/kg	130	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	60		30-120
4-Terphenyl-d14	61		18-120

Project Name: 318 NEVINS**Lab Number:** L2413371**Project Number:** 15977**Report Date:** 03/13/24**SAMPLE RESULTS**

Lab ID: L2413371-04
 Client ID: 20BSPILL#2308807-SIDEWALL-W-03-12-24
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 11:45
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/13/24 15:08
 Analyst: JG
 Percent Solids: 70%

Extraction Method: EPA 3546
 Extraction Date: 03/13/24 02:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	24.	1
Fluoranthene	230		ug/kg	140	27.	1
Benzo(a)anthracene	110	J	ug/kg	140	26.	1
Benzo(a)pyrene	100	J	ug/kg	180	57.	1
Benzo(b)fluoranthene	120	J	ug/kg	140	39.	1
Benzo(k)fluoranthene	38	J	ug/kg	140	37.	1
Chrysene	120	J	ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	180	36.	1
Anthracene	ND		ug/kg	140	45.	1
Benzo(ghi)perylene	58	J	ug/kg	180	27.	1
Fluorene	ND		ug/kg	230	22.	1
Phenanthrene	140		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	48	J	ug/kg	180	32.	1
Pyrene	200		ug/kg	140	23.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	51		30-120
4-Terphenyl-d14	52		18-120

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413371

Report Date: 03/13/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 03/13/24 09:51
 Analyst: JG

Extraction Method: EPA 3546
 Extraction Date: 03/12/24 22:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1895414-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	99	19.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	70		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413371

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1895414-2 WG1895414-3								
Acenaphthene	64		73		31-137	13		50
Fluoranthene	67		76		40-140	13		50
Benzo(a)anthracene	63		73		40-140	15		50
Benzo(a)pyrene	61		69		40-140	12		50
Benzo(b)fluoranthene	61		70		40-140	14		50
Benzo(k)fluoranthene	60		70		40-140	15		50
Chrysene	62		70		40-140	12		50
Acenaphthylene	65		75		40-140	14		50
Anthracene	66		75		40-140	13		50
Benzo(ghi)perylene	62		70		40-140	12		50
Fluorene	64		73		40-140	13		50
Phenanthrene	64		72		40-140	12		50
Dibenzo(a,h)anthracene	64		72		40-140	12		50
Indeno(1,2,3-cd)pyrene	65		72		40-140	10		50
Pyrene	68		77		35-142	12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		73		25-120
Phenol-d6	67		74		10-120
Nitrobenzene-d5	70		79		23-120
2-Fluorobiphenyl	62		71		30-120
2,4,6-Tribromophenol	69		78		10-136
4-Terphenyl-d14	61		71		18-120

INORGANICS & MISCELLANEOUS

Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2413371**Report Date:** 03/13/24**SAMPLE RESULTS****Lab ID:** L2413371-01**Client ID:** 20BSPILL#2308807-SIDEWALL-N-03-12-24**Sample Location:** BROOKLYN, NY**Date Collected:** 03/12/24 11:00**Date Received:** 03/12/24**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 - Westborough Lab										
Solids, Total	84.9		%	0.100	NA	1	-	03/13/24 02:43	121,2540G	WJM



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2413371**Report Date:** 03/13/24**SAMPLE RESULTS****Lab ID:** L2413371-02**Client ID:** 20BSPILL#2308807-SIDEWALL-S-03-12-24**Sample Location:** BROOKLYN, NY**Date Collected:** 03/12/24 11:30**Date Received:** 03/12/24**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 - Westborough Lab										
Solids, Total	84.9		%	0.100	NA	1	-	03/13/24 02:43	121,2540G	WJM



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2413371**Report Date:** 03/13/24**SAMPLE RESULTS****Lab ID:** L2413371-03**Client ID:** 20BSPILL#2308807-SIDEWALL-E-03-12-24**Sample Location:** BROOKLYN, NY**Date Collected:** 03/12/24 11:15**Date Received:** 03/12/24**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 - Westborough Lab										
Solids, Total	75.8		%	0.100	NA	1	-	03/13/24 02:43	121,2540G	WJM



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2413371**Report Date:** 03/13/24**SAMPLE RESULTS****Lab ID:** L2413371-04**Client ID:** 20BSPILL#2308807-SIDEWALL-W-03-12-24**Sample Location:** BROOKLYN, NY**Date Collected:** 03/12/24 11:45**Date Received:** 03/12/24**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 - Westborough Lab										
Solids, Total	70.4		%	0.100	NA	1	-	03/13/24 02:43	121,2540G	WJM



Project Name: 318 NEVINS
Project Number: 15977

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2413371
Report Date: 03/13/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1895445-1 QC Sample: L2413277-01 Client ID: DUP Sample						
Solids, Total	71.8	72.4	%	1		20

Project Name: 318 NEVINS**Lab Number:** L2413371**Project Number:** 15977**Report Date:** 03/13/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2413371-01A	5 gram Encore Sampler	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-01B	5 gram Encore Sampler	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-01C	5 gram Encore Sampler	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-01D	Plastic 2oz unpreserved for TS	B	NA		2.4	Y	Absent		TS(7)
L2413371-01E	Glass 120ml/4oz unpreserved	B	NA		2.4	Y	Absent		NYCP51-PAH(14)
L2413371-01X	Vial MeOH preserved split	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-01Y	Vial Water preserved split	B	NA		2.4	Y	Absent	13-MAR-24 06:41	NYCP51-8260HLW(14)
L2413371-01Z	Vial Water preserved split	B	NA		2.4	Y	Absent	13-MAR-24 06:41	NYCP51-8260HLW(14)
L2413371-02A	5 gram Encore Sampler	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-02B	5 gram Encore Sampler	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-02C	5 gram Encore Sampler	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-02D	Plastic 2oz unpreserved for TS	B	NA		2.4	Y	Absent		TS(7)
L2413371-02E	Glass 120ml/4oz unpreserved	B	NA		2.4	Y	Absent		NYCP51-PAH(14)
L2413371-02X	Vial MeOH preserved split	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-02Y	Vial Water preserved split	B	NA		2.4	Y	Absent	13-MAR-24 06:41	NYCP51-8260HLW(14)
L2413371-02Z	Vial Water preserved split	B	NA		2.4	Y	Absent	13-MAR-24 06:41	NYCP51-8260HLW(14)
L2413371-03A	5 gram Encore Sampler	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-03B	5 gram Encore Sampler	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-03C	5 gram Encore Sampler	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-03D	Plastic 2oz unpreserved for TS	B	NA		2.4	Y	Absent		TS(7)
L2413371-03E	Glass 120ml/4oz unpreserved	B	NA		2.4	Y	Absent		NYCP51-PAH(14)
L2413371-03X	Vial MeOH preserved split	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)

Project Name: 318 NEVINS
Project Number: 15977

Serial_No:03132416:57
Lab Number: L2413371
Report Date: 03/13/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2413371-03Y	Vial Water preserved split	B	NA		2.4	Y	Absent	13-MAR-24 06:41	NYCP51-8260HLW(14)
L2413371-03Z	Vial Water preserved split	B	NA		2.4	Y	Absent	13-MAR-24 06:41	NYCP51-8260HLW(14)
L2413371-04A	5 gram Encore Sampler	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-04B	5 gram Encore Sampler	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-04C	5 gram Encore Sampler	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-04D	Plastic 2oz unpreserved for TS	B	NA		2.4	Y	Absent		TS(7)
L2413371-04E	Glass 120ml/4oz unpreserved	B	NA		2.4	Y	Absent		NYCP51-PAH(14)
L2413371-04X	Vial MeOH preserved split	B	NA		2.4	Y	Absent		NYCP51-8260HLW(14)
L2413371-04Y	Vial Water preserved split	B	NA		2.4	Y	Absent	13-MAR-24 06:41	NYCP51-8260HLW(14)
L2413371-04Z	Vial Water preserved split	B	NA		2.4	Y	Absent	13-MAR-24 06:41	NYCP51-8260HLW(14)
L2413371-05A	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260(14)

Project Name: 318 NEVINS

Lab Number: L2413371

Project Number: 15977

Report Date: 03/13/24

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



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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: 318 NEVINS**Lab Number:** L2413371**Project Number:** 15977**Report Date:** 03/13/24**Data Qualifiers**

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- 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: 318 NEVINS
Project Number: 15977

Lab Number: L2413371
Report Date: 03/13/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 20

Published Date: 6/16/2023 4:52:28 PM

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 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 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 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).**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		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 3/13/24		ALPHA Job # L2413371	
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		Project Information Project Name: 318 Remus Street Project Location: Brooklyn, NY Project # 18877 (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #	
Client Information Client: Impact Environmental Address: 170 Kexland Court Bohemia, NY Phone: Fax: Email: dpostu@impactenvironmental.com		Project Manager: Diana Postu ALPHAQuote #: Turn-Around Time Standard ☐ Due Date: Rush (only if pre approved) ☒ # of Days: 1		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		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: CAT-B 24 hr-TAT Please specify Metals or TAL.				ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments		Total Bottles	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials	CP-51 VOL	CP-50 VOL		
13371-01	MS Spill #2308807-Sidewalk-Norwalk	3/12/24	1100	S	MS	X	X		
02	-S		1130						
03	-E		1115						
04	-W		1145						
05	Trip Blank	2/19			CA				
Preservative Code:		Container Code:		Westboro: Certification No: MA935		Container Type			
A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Mansfield: Certification No: MA015		Preservative			
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By:		Date/Time		Received By:		Date/Time	
		Pace		3/12/24 1556		Pace		3/12/24 1500	
		NA		3/13/24 0120		NA		3/12/24 22:00	
								3/13/24 0020	

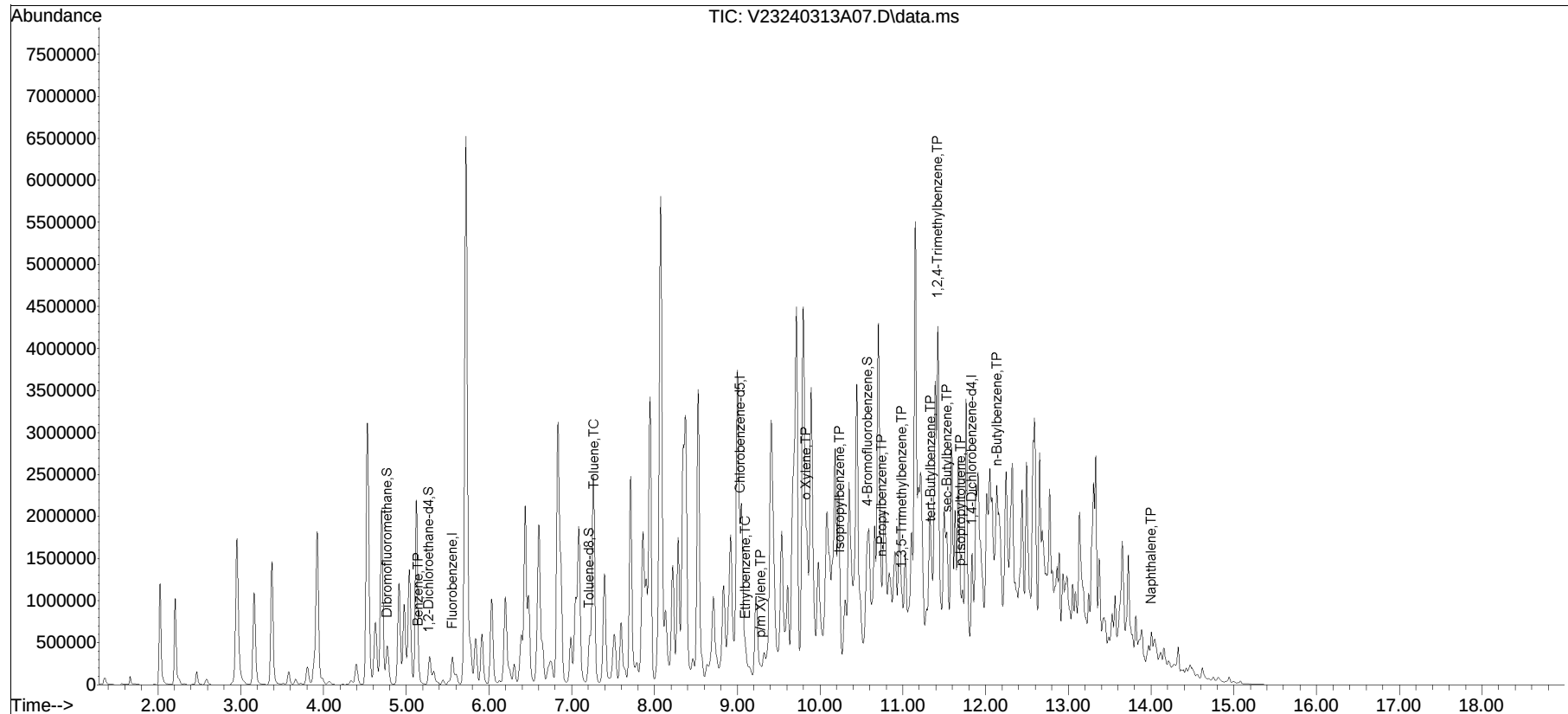
Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Quantitation Report (QT Reviewed)

Data Path : K:\VOA123\2024\240313A\
Data File : V23240313A07.D
Acq On : 13 Mar 2024 10:29 am
Operator : VOA123:AJK
Sample : L2413371-01,31,3.92,5,,Y,R3A
Misc : WG1895732,ICAL20839
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 13 11:54:33 2024
Quant Method : K:\VOA123\2024\240313A\V123_240207N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 08 11:15:00 2024
Response via : Initial Calibration

Sub List : 8260-NYCP51 - NYCP5140313A\V23240313A02.D•

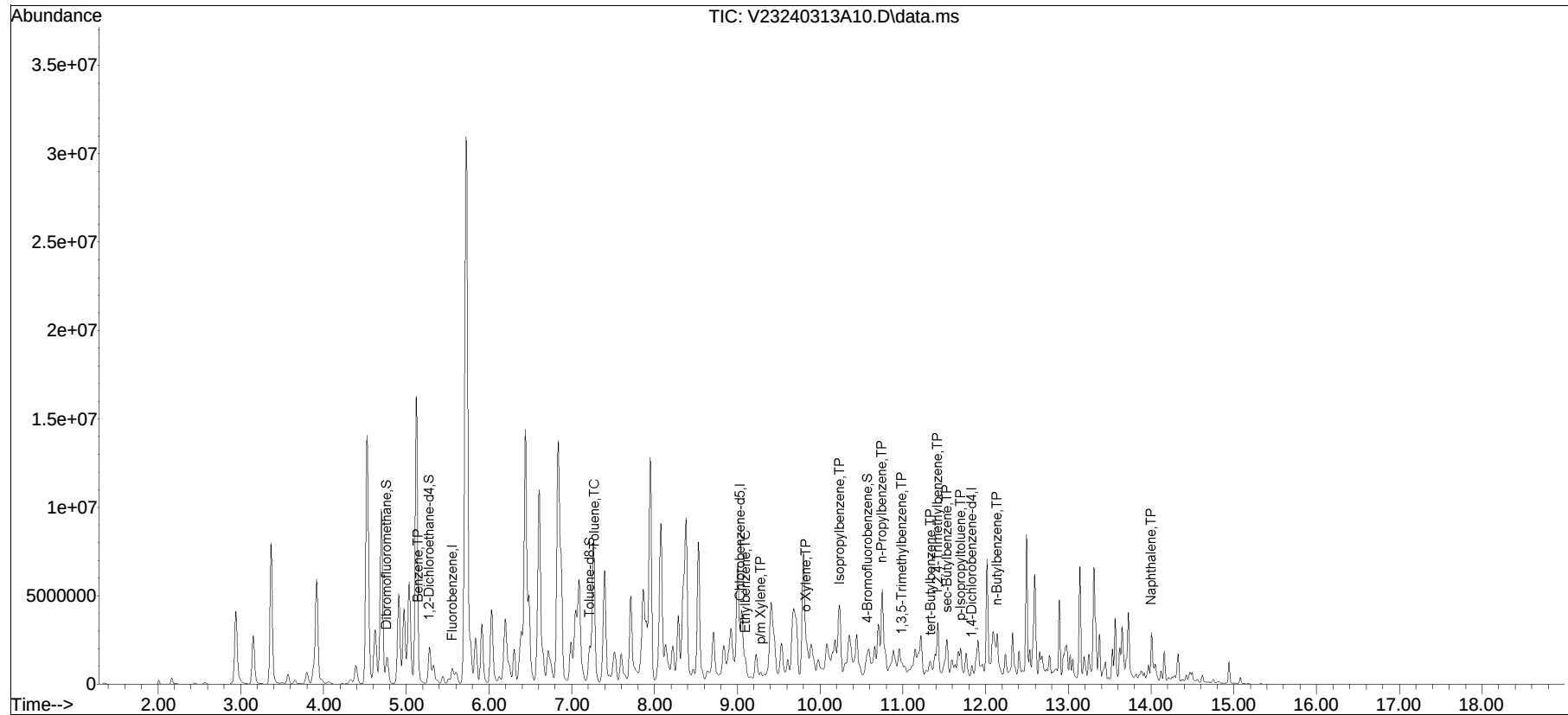


Quantitation Report (QT Reviewed)

Data Path : K:\VOA123\2024\240313A\
Data File : V23240313A10.D
Acq On : 13 Mar 2024 11:47 am
Operator : VOA123:AJK
Sample : L2413371-02, 31H, 5.61, 5, 0.100, , X, R3A
Misc : WG1895735, ICAL20839
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 13 12:32:14 2024
Quant Method : K:\VOA123\2024\240313A\V123_240207N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 08 11:15:00 2024
Response via : Initial Calibration

Sub List : 8260-NYCP51 - NYCP5140313A\V23240313A02.D•

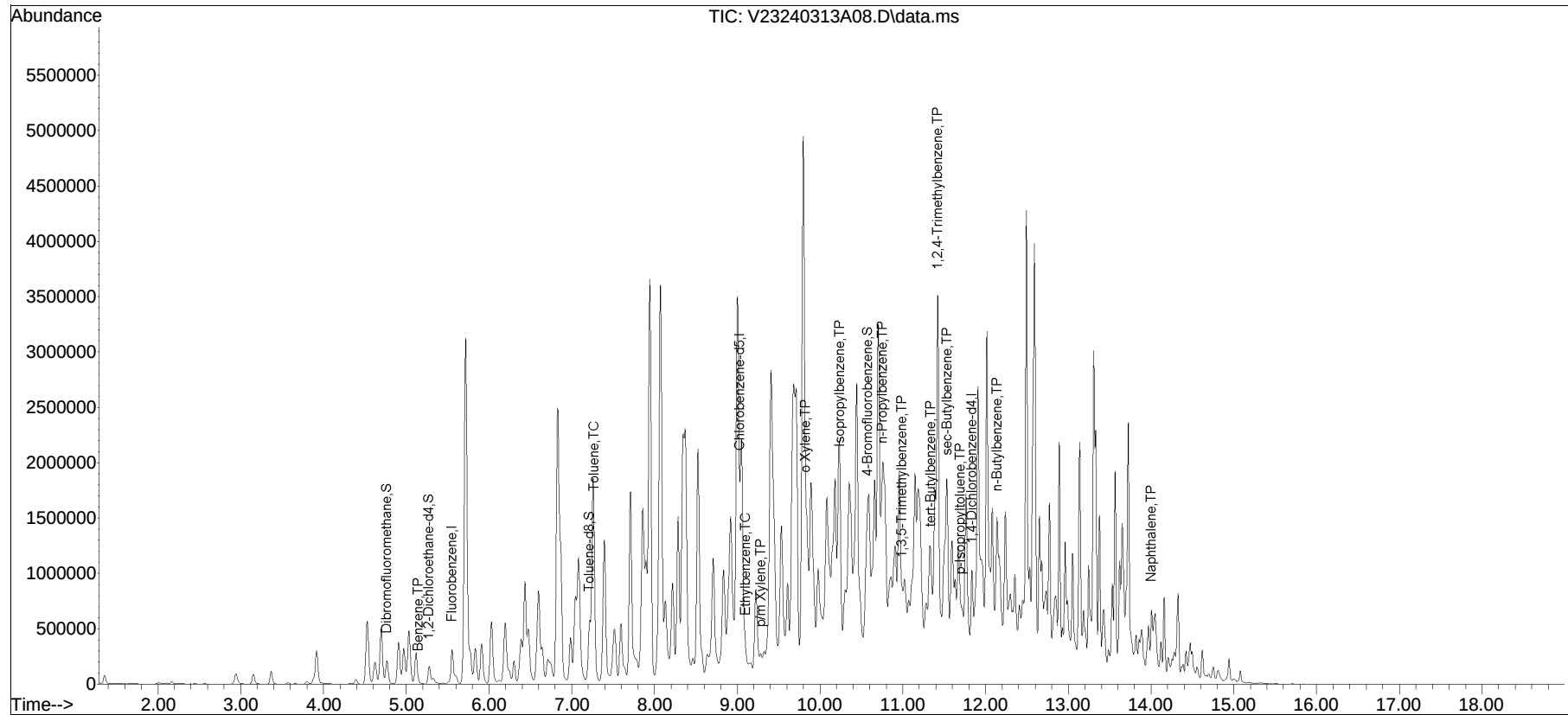


Quantitation Report (QT Reviewed)

Data Path : K:\VOA123\2024\240313A\
Data File : V23240313A08.D
Acq On : 13 Mar 2024 10:55 am
Operator : VOA123:AJK
Sample : L2413371-04, 31H, 4.19, 5, 0.100, , X, R3A
Misc : WG1895735, ICAL20839
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 13 11:54:53 2024
Quant Method : K:\VOA123\2024\240313A\V123_240207N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 08 11:15:00 2024
Response via : Initial Calibration

Sub List : 8260-NYCP51 - NYCP5140313A\V23240313A02.D•



No results found for sample L2413372-03 for product FE-TI
No results found for sample L2413372-03 for product K-TI
No results found for sample L2413372-03 for product MG-TI
No results found for sample L2413372-03 for product MN-TI
No results found for sample L2413372-03 for product NA-TI
No results found for sample L2413372-03 for product NI-TI
No results found for sample L2413372-03 for product PB-TI
No results found for sample L2413372-03 for product SB-TI
No results found for sample L2413372-03 for product SE-TI
No results found for sample L2413372-03 for product TL-TI
No results found for sample L2413372-03 for product V-TI
No results found for sample L2413372-03 for product ZN-TI
No results found for sample L2413372-05 for product AG-TI
No results found for sample L2413372-05 for product AL-TI
No results found for sample L2413372-05 for product BA-TI
No results found for sample L2413372-05 for product BE-TI
No results found for sample L2413372-05 for product CA-TI
No results found for sample L2413372-05 for product CD-TI
No results found for sample L2413372-05 for product CO-TI
No results found for sample L2413372-05 for product CR-TI
No results found for sample L2413372-05 for product CU-TI
No results found for sample L2413372-05 for product FE-TI
No results found for sample L2413372-05 for product K-TI
No results found for sample L2413372-05 for product MG-TI
No results found for sample L2413372-05 for product MN-TI
No results found for sample L2413372-05 for product NA-TI
No results found for sample L2413372-05 for product NI-TI
No results found for sample L2413372-05 for product PB-TI
No results found for sample L2413372-05 for product SB-TI
No results found for sample L2413372-05 for product SE-TI
No results found for sample L2413372-05 for product TL-TI
No results found for sample L2413372-05 for product V-TI
No results found for sample L2413372-05 for product ZN-TI



ANALYTICAL REPORT

Lab Number:	L2413372
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Diana Posten
Phone:	(631) 269-8800
Project Name:	318 NEVINS
Project Number:	15977
Report Date:	03/28/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2413372**Report Date:** 03/28/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2413372-01	EP-47 03-12-24 11'	SOIL	BROOKLYN, NY	03/12/24 12:00	03/12/24
L2413372-02	EP-22 03-12-24 7'-8'	SOIL	BROOKLYN, NY	03/12/24 12:15	03/12/24
L2413372-03	EP-21 03-12-24 7'-8'	SOIL	BROOKLYN, NY	03/12/24 12:30	03/12/24
L2413372-04	TRIP BLANK	WATER	BROOKLYN, NY	02/19/24 00:00	03/12/24
L2413372-05	EP-90 03-12-24 11'	SOIL	BROOKLYN, NY	03/12/24 12:50	03/12/24

Project Name: 318 NEVINS
Project Number: 15977

Lab Number: L2413372
Report Date: 03/28/24

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: 318 NEVINS
Project Number: 15977

Lab Number: L2413372
Report Date: 03/28/24

Case Narrative (continued)

Report Submission

-March 28, 2024: This final report includes the results of all requested analyses.

-March 25, 2024: This preliminary report includes the results of the following analyses:

L2413372-01 and -02: Perfluorinated Alkyl Acids by EPA 1633

L2413372-05: Volatile Organics

-March 15, 2024: This preliminary report includes the results of the following analyses:

L2413372-01: PCBs, Pesticides, TAL Metals, Total Cyanide

L2413372-02: Volatile Organics, PCBs, Pesticides, TAL Metals, Total Cyanide

-March 13, 2024: This is a preliminary report.

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

Sample Receipt

L2413372-01: A sample identified as "EP-47 03-12-24 11" was listed on the Chain of Custody, but not received for the analysis of Volatile Organics.

L2413372-05: The Client ID was specified by the client.

Volatile Organics

The WG1896750-5 Method Blank, associated with L2413372-02, has a concentration above the reporting limit for bromomethane. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Perfluorinated Alkyl Acids by 1633

L2413372-01RE and -02RE: The sample was re-extracted within holding time due to QC failures in the original extraction. The results of the re-extraction are reported.

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

Case Narrative (continued)

WG1898458-1R, WG1898458-2R, and WG1898458-3R: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

The WG1898458-2R LCS recovery, associated with L2413372-01RE and -02RE, is above the acceptance criteria for perfluorononanoic acid (pfna) (152%); however, the associated samples are below the RL for this target analyte. The results of the original analysis are reported.

Total Metals

L2413372-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

L2413372-03 and -05: The sample has an elevated detection limit due to the dilution required by the sample matrix.

The WG1895478-1 Method Blank, associated with L2413372-01 and -02, has a concentration above the reporting limit for iron. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Hexavalent Chromium

The WG1895474-4 Insoluble MS recovery for chromium, hexavalent (61%), performed on L2413372-05, is outside the acceptance criteria. The Soluble MS recovery for chromium, hexavalent (52%) was also outside criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 86%.

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:

 Melissa Sturgis

Title: Technical Director/Representative

Date: 03/28/24

ORGANICS

VOLATILES

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-02
 Client ID: EP-22 03-12-24 7'-8'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:15
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/14/24 22:58
 Analyst: LAC
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-02
 Client ID: EP-22 03-12-24 7'-8'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:15
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.97	1
Acetone	57		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	6.6	J	ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-02
 Client ID: EP-22 03-12-24 7'-8'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:15
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1

Tentatively Identified Compounds

Total TIC Compounds	18.9	J	ug/kg	1
Unknown	18.9	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	127		70-130

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-04
 Client ID: TRIP BLANK
 Sample Location: BROOKLYN, NY

Date Collected: 02/19/24 00:00
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 03/13/24 08:58
 Analyst: PID

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	ND		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	ND		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: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-04
 Client ID: TRIP BLANK
 Sample Location: BROOKLYN, NY

Date Collected: 02/19/24 00:00
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		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: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-04
 Client ID: TRIP BLANK
 Sample Location: BROOKLYN, NY

Date Collected: 02/19/24 00:00
 Date Received: 03/12/24
 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

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-05
 Client ID: EP-90 03-12-24 11'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:50
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/23/24 20:15
 Analyst: AJK
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	180		ug/kg	0.61	0.20	1
Toluene	20		ug/kg	1.2	0.66	1
Ethylbenzene	120		ug/kg	1.2	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	410		ug/kg	2.4	0.68	1
o-Xylene	150		ug/kg	1.2	0.35	1
Xylenes, Total	560		ug/kg	1.2	0.35	1
n-Butylbenzene	19		ug/kg	1.2	0.20	1
sec-Butylbenzene	20		ug/kg	1.2	0.18	1
tert-Butylbenzene	3.8		ug/kg	2.4	0.14	1
Isopropylbenzene	55		ug/kg	1.2	0.13	1
p-Isopropyltoluene	18		ug/kg	1.2	0.13	1
Naphthalene	31		ug/kg	4.8	0.79	1
n-Propylbenzene	63		ug/kg	1.2	0.21	1
1,3,5-Trimethylbenzene	50		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	140		ug/kg	2.4	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	75		70-130

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/13/24 08:14
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1895631-5					
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: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/13/24 08:14
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1895631-5					
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: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 03/13/24 08:14

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1895631-5					
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

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND

ug/l

Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2413372**Report Date:** 03/28/24**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 03/13/24 08:14

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1895631-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/14/24 21:09
 Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1896750-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	3.0		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/14/24 21:09
 Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1896750-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/14/24 21:09
 Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1896750-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds

Total TIC Compounds	40.1	J	ug/kg
Unknown	15.7	J	ug/kg
Unknown	24.4	J	ug/kg

Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2413372**Report Date:** 03/28/24**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 03/14/24 21:09

Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1896750-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	114		70-130

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 03/23/24 11:17

Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1900359-5					
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1895631-3 WG1895631-4								
Methylene chloride	99		99		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		96		70-130	4		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	95		94		62-150	1		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	99		98		70-130	1		20
cis-1,3-Dichloropropene	94		95		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	96		97		54-136	1		20
1,1,2,2-Tetrachloroethane	110		120		67-130	9		20
Benzene	100		100		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	140	Q	140	Q	64-130	0		20
Bromomethane	77		79		39-139	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1895631-3 WG1895631-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	98		99		55-138	1		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	90		95		63-130	5		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	94		97		70-130	3		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	110		120		70-130	9		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	140		140		36-147	0		20
Acetone	110		120		58-148	9		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	110		120		63-138	9		20
Vinyl acetate	100		110		70-130	10		20
4-Methyl-2-pentanone	90		91		59-130	1		20
2-Hexanone	86		90		57-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1895631-3 WG1895631-4								
Bromochloromethane	98		99		70-130	1		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	99		98		70-130	1		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	120		120		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	120		110		70-130	9		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	92		95		41-144	3		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	87		92		70-130	6		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	88		93		70-130	6		20
1,2,4-Trichlorobenzene	92		94		70-130	2		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	132		142		56-162	7		20
p-Diethylbenzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1895631-3 WG1895631-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	82		87		59-134	6		20
trans-1,4-Dichloro-2-butene	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	101		103		70-130
Dibromofluoromethane	100		102		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1896750-3 WG1896750-4								
Methylene chloride	100		97		70-130	3		30
1,1-Dichloroethane	92		92		70-130	0		30
Chloroform	96		95		70-130	1		30
Carbon tetrachloride	113		109		70-130	4		30
1,2-Dichloropropane	92		91		70-130	1		30
Dibromochloromethane	104		107		70-130	3		30
1,1,2-Trichloroethane	88		93		70-130	6		30
Tetrachloroethene	110		114		70-130	4		30
Chlorobenzene	99		102		70-130	3		30
Trichlorofluoromethane	127		122		70-139	4		30
1,2-Dichloroethane	94		94		70-130	0		30
1,1,1-Trichloroethane	108		107		70-130	1		30
Bromodichloromethane	100		99		70-130	1		30
trans-1,3-Dichloropropene	90		93		70-130	3		30
cis-1,3-Dichloropropene	96		95		70-130	1		30
1,1-Dichloropropene	97		96		70-130	1		30
Bromoform	100		101		70-130	1		30
1,1,2,2-Tetrachloroethane	83		85		70-130	2		30
Benzene	93		92		70-130	1		30
Toluene	91		93		70-130	2		30
Ethylbenzene	96		99		70-130	3		30
Chloromethane	92		88		52-130	4		30
Bromomethane	130		124		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1896750-3 WG1896750-4								
Vinyl chloride	117		111		67-130	5		30
Chloroethane	124		121		50-151	2		30
1,1-Dichloroethene	116		114		65-135	2		30
trans-1,2-Dichloroethene	112		110		70-130	2		30
Trichloroethene	103		103		70-130	0		30
1,2-Dichlorobenzene	104		104		70-130	0		30
1,3-Dichlorobenzene	104		105		70-130	1		30
1,4-Dichlorobenzene	103		104		70-130	1		30
Methyl tert butyl ether	99		100		66-130	1		30
p/m-Xylene	93		96		70-130	3		30
o-Xylene	92		94		70-130	2		30
cis-1,2-Dichloroethene	98		97		70-130	1		30
Dibromomethane	102		102		70-130	0		30
Styrene	94		96		70-130	2		30
Dichlorodifluoromethane	87		84		30-146	4		30
Acetone	89		94		54-140	5		30
Carbon disulfide	100		100		59-130	0		30
2-Butanone	86		90		70-130	5		30
Vinyl acetate	99		95		70-130	4		30
4-Methyl-2-pentanone	81		82		70-130	1		30
1,2,3-Trichloropropane	79		82		68-130	4		30
2-Hexanone	73		79		70-130	8		30
Bromochloromethane	109		109		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1896750-3 WG1896750-4								
2,2-Dichloropropane	102		100		70-130	2		30
1,2-Dibromoethane	98		103		70-130	5		30
1,3-Dichloropropane	85		88		69-130	3		30
1,1,1,2-Tetrachloroethane	108		111		70-130	3		30
Bromobenzene	103		102		70-130	1		30
n-Butylbenzene	95		92		70-130	3		30
sec-Butylbenzene	90		90		70-130	0		30
tert-Butylbenzene	94		95		70-130	1		30
o-Chlorotoluene	90		89		70-130	1		30
p-Chlorotoluene	92		91		70-130	1		30
1,2-Dibromo-3-chloropropane	98		100		68-130	2		30
Hexachlorobutadiene	108		103		67-130	5		30
Isopropylbenzene	84		84		70-130	0		30
p-Isopropyltoluene	93		92		70-130	1		30
Naphthalene	92		95		70-130	3		30
Acrylonitrile	90		91		70-130	1		30
n-Propylbenzene	93		94		70-130	1		30
1,2,3-Trichlorobenzene	105		105		70-130	0		30
1,2,4-Trichlorobenzene	108		104		70-130	4		30
1,3,5-Trimethylbenzene	93		92		70-130	1		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
1,4-Dioxane	98		100		65-136	2		30
p-Diethylbenzene	100		99		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1896750-3 WG1896750-4								
p-Ethyltoluene	94		93		70-130	1		30
1,2,4,5-Tetramethylbenzene	88		86		70-130	2		30
Ethyl ether	112		109		67-130	3		30
trans-1,4-Dichloro-2-butene	89		89		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		98		70-130
Toluene-d8	91		93		70-130
4-Bromofluorobenzene	87		82		70-130
Dibromofluoromethane	111		109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1900359-3 WG1900359-4								
Benzene	97		96		70-130	1		30
Toluene	95		93		70-130	2		30
Ethylbenzene	97		96		70-130	1		30
Methyl tert butyl ether	102		97		66-130	5		30
p/m-Xylene	96		95		70-130	1		30
o-Xylene	96		95		70-130	1		30
n-Butylbenzene	99		99		70-130	0		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	94		94		70-130	0		30
Isopropylbenzene	96		96		70-130	0		30
p-Isopropyltoluene	97		97		70-130	0		30
Naphthalene	93		89		70-130	4		30
n-Propylbenzene	97		97		70-130	0		30
1,3,5-Trimethylbenzene	96		96		70-130	0		30
1,2,4-Trimethylbenzene	97		96		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		106		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	107		107		70-130
Dibromofluoromethane	102		100		70-130

SEMIVOLATILES

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-01
 Client ID: EP-47 03-12-24 11'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:00
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/13/24 13:39
 Analyst: JG
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 03/13/24 02:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-01
 Client ID: EP-47 03-12-24 11'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:00
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-01
 Client ID: EP-47 03-12-24 11'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:00
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Tentatively Identified Compounds

Total TIC Compounds	158	J	ug/kg	1
Unknown Organic Acid	158	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	71		18-120

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-01 RE

Client ID: EP-47 03-12-24 11'

Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:00

Date Received: 03/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 144,1633

Analytical Date: 03/21/24 21:16

Analyst: AC

Percent Solids: 88%

Extraction Method: EPA 1633

Extraction Date: 03/20/24 10:45

Cleanup Method: EPA 1633

Cleanup Date: 03/20/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.786	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.393	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.196	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.196	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.196	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.196	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.196	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.786	0.275	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.196	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.196	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.196	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.196	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.786	0.380	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.196	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.196	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.196	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.196	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.196	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.196	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.196	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.196	0.104	1
PFOA/PFOS, Total	ND		ng/g	0.196	0.051	1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-01 RE

Date Collected: 03/12/24 12:00

Client ID: EP-47 03-12-24 11'

Date Received: 03/12/24

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	81		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	90		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	85		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	81		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	82		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	81		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	95		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	81		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	87		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	110		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	84		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	89		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	74		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	91		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	81		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	63		20-150

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-02
 Client ID: EP-22 03-12-24 7'-8'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:15
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/13/24 13:57
 Analyst: JG
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 03/13/24 02:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	270		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	51	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-02
 Client ID: EP-22 03-12-24 7'-8'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:15
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	130		ug/kg	120	22.	1
Benzo(a)pyrene	110	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	140		ug/kg	120	32.	1
Benzo(k)fluoranthene	42	J	ug/kg	120	31.	1
Chrysene	120		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	46	J	ug/kg	120	38.	1
Benzo(ghi)perylene	62	J	ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	180		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	56	J	ug/kg	150	27.	1
Pyrene	230		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-02
 Client ID: EP-22 03-12-24 7'-8'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:15
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Tentatively Identified Compounds

Total TIC Compounds	249	J	ug/kg	1
Sulfur	249	NJ	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	61		18-120

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-02 RE

Date Collected: 03/12/24 12:15

Client ID: EP-22 03-12-24 7'-8'

Date Received: 03/12/24

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 1633

Analytical Method: 144,1633

Extraction Date: 03/20/24 10:50

Analytical Date: 03/21/24 21:29

Cleanup Method: EPA 1633

Analyst: AC

Cleanup Date: 03/20/24

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.784	0.049	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.392	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.196	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.196	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.196	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	0.118	J	ng/g	0.196	0.058	1
Perfluorooctanoic Acid (PFOA)	0.164	J	ng/g	0.196	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.784	0.274	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.196	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.196	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.145	J	ng/g	0.196	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.196	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.784	0.380	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.196	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.196	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.196	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.196	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.196	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.196	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.196	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.196	0.104	1
PFOA/PFOS, Total	0.309	J	ng/g	0.196	0.051	1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-02 RE

Date Collected: 03/12/24 12:15

Client ID: EP-22 03-12-24 7'-8'

Date Received: 03/12/24

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	78		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	85		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	79		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	80		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	96		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	78		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	79		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	80		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	138		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	94		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	84		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	69		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	96		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	89		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	68		20-150

Project Name: 318 NEVINS**Lab Number:** L2413372**Project Number:** 15977**Report Date:** 03/28/24**SAMPLE RESULTS**

Lab ID: L2413372-03
 Client ID: EP-21 03-12-24 7'-8'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:30
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/13/24 14:15
 Analyst: JG
 Percent Solids: 72%

Extraction Method: EPA 3546
 Extraction Date: 03/13/24 02:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	250		ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	26.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	39.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	45.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	3300		ug/kg	130	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	370		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	77.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	76.	1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-03
 Client ID: EP-21 03-12-24 7'-8'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:30
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	21.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	2100		ug/kg	130	25.	1
Benzo(a)pyrene	4600		ug/kg	180	54.	1
Benzo(b)fluoranthene	3400		ug/kg	130	38.	1
Benzo(k)fluoranthene	1100		ug/kg	130	36.	1
Chrysene	1800		ug/kg	130	23.	1
Acenaphthylene	520		ug/kg	180	34.	1
Anthracene	420		ug/kg	130	44.	1
Benzo(ghi)perylene	3200		ug/kg	180	26.	1
Fluorene	190	J	ug/kg	220	22.	1
Phenanthrene	1200		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	360		ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	1800		ug/kg	180	31.	1
Pyrene	4000		ug/kg	130	22.	1
Biphenyl	37	J	ug/kg	510	29.	1
4-Chloroaniline	ND		ug/kg	220	41.	1
2-Nitroaniline	ND		ug/kg	220	43.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	92.	1
Dibenzofuran	77	J	ug/kg	220	21.	1
2-Methylnaphthalene	100	J	ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	74.	1
2-Nitrophenol	ND		ug/kg	480	84.	1
4-Nitrophenol	ND		ug/kg	310	91.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	110	1
Pentachlorophenol	ND		ug/kg	180	49.	1
Phenol	ND		ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	43	J	ug/kg	320	35.	1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-03
 Client ID: EP-21 03-12-24 7'-8'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:30
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	43.	1
Benzoic Acid	ND		ug/kg	720	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	92	J	ug/kg	220	22.	1
1,4-Dioxane	ND		ug/kg	33	10.	1

Tentatively Identified Compounds

Total TIC Compounds	9400	J	ug/kg			1
Unknown	394	J	ug/kg			1
Unknown PAH	453	J	ug/kg			1
Unknown PAH	715	J	ug/kg			1
Unknown	505	J	ug/kg			1
Unknown PAH	602	J	ug/kg			1
Unknown PAH	619	J	ug/kg			1
Unknown	1790	J	ug/kg			1
Unknown PAH	359	J	ug/kg			1
Unknown PAH	665	J	ug/kg			1
Unknown PAH	797	J	ug/kg			1
Unknown PAH	358	J	ug/kg			1
Unknown PAH	384	J	ug/kg			1
Unknown PAH	559	J	ug/kg			1
Unknown	791	J	ug/kg			1
Unknown PAH	410	J	ug/kg			1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-03

Date Collected: 03/12/24 12:30

Client ID: EP-21 03-12-24 7'-8'

Date Received: 03/12/24

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	56		18-120

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-05
 Client ID: EP-90 03-12-24 11'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:50
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/13/24 14:32
 Analyst: JG
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 03/13/24 02:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1600		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	8000		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	640		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-05
 Client ID: EP-90 03-12-24 11'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:50
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	3500		ug/kg	130	24.	1
Benzo(a)pyrene	2600		ug/kg	170	52.	1
Benzo(b)fluoranthene	3200		ug/kg	130	36.	1
Benzo(k)fluoranthene	1200		ug/kg	130	34.	1
Chrysene	3200		ug/kg	130	22.	1
Acenaphthylene	250		ug/kg	170	33.	1
Anthracene	2800		ug/kg	130	41.	1
Benzo(ghi)perylene	1200		ug/kg	170	25.	1
Fluorene	1500		ug/kg	210	20.	1
Phenanthrene	9400	E	ug/kg	130	26.	1
Dibenzo(a,h)anthracene	410		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	170	29.	1
Pyrene	6600		ug/kg	130	21.	1
Biphenyl	150	J	ug/kg	480	27.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	1100		ug/kg	210	20.	1
2-Methylnaphthalene	560		ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	79.	1
4-Nitrophenol	ND		ug/kg	300	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	56	J	ug/kg	300	33.	1

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-05
 Client ID: EP-90 03-12-24 11'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:50
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	1300		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	32	9.7	1

Tentatively Identified Compounds

Total TIC Compounds	15200	J	ug/kg			1
Unknown PAH	611	J	ug/kg			1
Unknown	912	J	ug/kg			1
Unknown Naphthalene	936	J	ug/kg			1
Unknown Ketone	753	J	ug/kg			1
Unknown PAH	775	J	ug/kg			1
Unknown Ketone	648	J	ug/kg			1
Unknown PAH	1010	J	ug/kg			1
Unknown Thiophene	761	J	ug/kg			1
Unknown	2160	J	ug/kg			1
Unknown PAH	812	J	ug/kg			1
Unknown PAH	1470	J	ug/kg			1
Unknown PAH	1030	J	ug/kg			1
Unknown	621	J	ug/kg			1
Unknown PAH	1910	J	ug/kg			1
Unknown	769	J	ug/kg			1

Project Name: 318 NEVINS**Lab Number:** L2413372**Project Number:** 15977**Report Date:** 03/28/24**SAMPLE RESULTS**

Lab ID: L2413372-05
 Client ID: EP-90 03-12-24 11'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:50
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	52		10-136
4-Terphenyl-d14	76		18-120

Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2413372**Report Date:** 03/28/24**SAMPLE RESULTS**

Lab ID: L2413372-05 D

Client ID: EP-90 03-12-24 11'

Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:50

Date Received: 03/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8270E

Analytical Date: 03/13/24 15:26

Analyst: JG

Percent Solids: 78%

Extraction Method: EPA 3546

Extraction Date: 03/13/24 02:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS - Westborough Lab

Phenanthrene	13000		ug/kg	630	130	5
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Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 03/13/24 09:51
 Analyst: JG

Extraction Method: EPA 3546
 Extraction Date: 03/12/24 22:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1895414-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	61	J	ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 03/13/24 09:51
 Analyst: JG

Extraction Method: EPA 3546
 Extraction Date: 03/12/24 22:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1895414-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 03/13/24 09:51
 Analyst: JG

Extraction Method: EPA 3546
 Extraction Date: 03/12/24 22:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1895414-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	70		18-120

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 144,1633
 Analytical Date: 03/21/24 11:33
 Analyst: AC

Extraction Method: EPA 1633
 Extraction Date: 03/20/24 11:15
 Cleanup Method: EPA 1633
 Cleanup Date: 03/20/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-02 Batch: WG1898458-1 R					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
PFOA/PFOS, Total	ND		ng/g	0.200	0.052

Project Name: 318 NEVINS
Project Number: 15977

Lab Number: L2413372
Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 144,1633
 Analytical Date: 03/21/24 11:33
 Analyst: AC

Extraction Method: EPA 1633
 Extraction Date: 03/20/24 11:15
 Cleanup Method: EPA 1633
 Cleanup Date: 03/20/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-02 Batch: WG1898458-1 R					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	84		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	85		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	84		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	82		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	101		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	76		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	81		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	79		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	97		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	75		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	65		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	82		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	70		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	63		20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1895414-2 WG1895414-3								
Acenaphthene	64		73		31-137	13		50
1,2,4-Trichlorobenzene	64		72		38-107	12		50
Hexachlorobenzene	66		76		40-140	14		50
Bis(2-chloroethyl)ether	61		70		40-140	14		50
2-Chloronaphthalene	66		75		40-140	13		50
1,2-Dichlorobenzene	61		68		40-140	11		50
1,3-Dichlorobenzene	59		66		40-140	11		50
1,4-Dichlorobenzene	60		67		28-104	11		50
3,3'-Dichlorobenzidine	52		60		40-140	14		50
2,4-Dinitrotoluene	80		90		40-132	12		50
2,6-Dinitrotoluene	78		89		40-140	13		50
Fluoranthene	67		76		40-140	13		50
4-Chlorophenyl phenyl ether	66		75		40-140	13		50
4-Bromophenyl phenyl ether	66		77		40-140	15		50
Bis(2-chloroisopropyl)ether	68		77		40-140	12		50
Bis(2-chloroethoxy)methane	70		79		40-117	12		50
Hexachlorobutadiene	67		78		40-140	15		50
Hexachlorocyclopentadiene	71		83		40-140	16		50
Hexachloroethane	64		73		40-140	13		50
Isophorone	70		80		40-140	13		50
Naphthalene	64		72		40-140	12		50
Nitrobenzene	73		81		40-140	10		50
NDPA/DPA	67		76		36-157	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1895414-2 WG1895414-3								
n-Nitrosodi-n-propylamine	73		83		32-121	13		50
Bis(2-ethylhexyl)phthalate	71		86		40-140	19		50
Butyl benzyl phthalate	77		90		40-140	16		50
Di-n-butylphthalate	71		83		40-140	16		50
Di-n-octylphthalate	73		87		40-140	18		50
Diethyl phthalate	68		79		40-140	15		50
Dimethyl phthalate	70		80		40-140	13		50
Benzo(a)anthracene	63		73		40-140	15		50
Benzo(a)pyrene	61		69		40-140	12		50
Benzo(b)fluoranthene	61		70		40-140	14		50
Benzo(k)fluoranthene	60		70		40-140	15		50
Chrysene	62		70		40-140	12		50
Acenaphthylene	65		75		40-140	14		50
Anthracene	66		75		40-140	13		50
Benzo(ghi)perylene	62		70		40-140	12		50
Fluorene	64		73		40-140	13		50
Phenanthrene	64		72		40-140	12		50
Dibenzo(a,h)anthracene	64		72		40-140	12		50
Indeno(1,2,3-cd)pyrene	65		72		40-140	10		50
Pyrene	68		77		35-142	12		50
Biphenyl	67		77		37-127	14		50
4-Chloroaniline	44		43		40-140	2		50
2-Nitroaniline	84		96		47-134	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1895414-2 WG1895414-3								
3-Nitroaniline	60		67		26-129	11		50
4-Nitroaniline	78		88		41-125	12		50
Dibenzofuran	64		73		40-140	13		50
2-Methylnaphthalene	67		76		40-140	13		50
1,2,4,5-Tetrachlorobenzene	69		78		40-117	12		50
Acetophenone	82		91		14-144	10		50
2,4,6-Trichlorophenol	75		84		30-130	11		50
p-Chloro-m-cresol	76		85		26-103	11		50
2-Chlorophenol	69		77		25-102	11		50
2,4-Dichlorophenol	74		82		30-130	10		50
2,4-Dimethylphenol	78		88		30-130	12		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	81		90		11-114	11		50
2,4-Dinitrophenol	60		68		4-130	13		50
4,6-Dinitro-o-cresol	84		97		10-130	14		50
Pentachlorophenol	72		82		17-109	13		50
Phenol	78		86		26-90	10		50
2-Methylphenol	71		78		30-130.	9		50
3-Methylphenol/4-Methylphenol	72		80		30-130	11		50
2,4,5-Trichlorophenol	75		88		30-130	16		50
Benzoic Acid	15		20		10-110	29		50
Benzyl Alcohol	77		86		40-140	11		50
Carbazole	68		78		54-128	14		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1895414-2 WG1895414-3								
1,4-Dioxane	46		52		40-140	12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		73		25-120
Phenol-d6	67		74		10-120
Nitrobenzene-d5	70		79		23-120
2-Fluorobiphenyl	62		71		30-120
2,4,6-Tribromophenol	69		78		10-136
4-Terphenyl-d14	61		71		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1898458-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	125		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	124		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	124		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	118		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	128		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	123		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	150		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	126		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	121		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	152	Q	-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	133		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	129		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	122		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	112		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	129		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	106		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	128		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	130		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	117		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	117		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	136		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1898458-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	88				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	98				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	88				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	91				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	102				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	79				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	90				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	101				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	95				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	85				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	70				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	89				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	76				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	67				20-150

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1898458-3								
Perfluorobutanoic Acid (PFBA)	115		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	114		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	114		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	113		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	113		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	111		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	133		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	118		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	114		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	136		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	113		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	111		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	122		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	110		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	114		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	106		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	118		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	118		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	109		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	100		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	122		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1898458-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	97				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	93				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	93				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	95				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	94				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	89				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	109				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	83				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	88				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	103				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	92				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	88				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	68				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	91				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	80				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	63				20-150

PCBS

Project Name: 318 NEVINS**Lab Number:** L2413372**Project Number:** 15977**Report Date:** 03/28/24**SAMPLE RESULTS**

Lab ID: L2413372-01
 Client ID: EP-47 03-12-24 11'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:00
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 03/15/24 07:35
 Analyst: RMP
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 03/14/24 17:00
 Cleanup Method: EPA 3665A
 Cleanup Date: 03/15/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.5	4.93	1	A
Aroclor 1221	ND		ug/kg	55.5	5.56	1	A
Aroclor 1232	ND		ug/kg	55.5	11.8	1	A
Aroclor 1242	ND		ug/kg	55.5	7.48	1	A
Aroclor 1248	ND		ug/kg	55.5	8.33	1	A
Aroclor 1254	ND		ug/kg	55.5	6.07	1	A
Aroclor 1260	ND		ug/kg	55.5	10.3	1	A
Aroclor 1262	ND		ug/kg	55.5	7.05	1	A
Aroclor 1268	ND		ug/kg	55.5	5.75	1	A
PCBs, Total	ND		ug/kg	55.5	4.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-02
 Client ID: EP-22 03-12-24 7'-8'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:15
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 03/15/24 07:45
 Analyst: RMP
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 03/14/24 17:00
 Cleanup Method: EPA 3665A
 Cleanup Date: 03/15/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.0	5.15	1	A
Aroclor 1221	ND		ug/kg	58.0	5.82	1	A
Aroclor 1232	ND		ug/kg	58.0	12.3	1	A
Aroclor 1242	ND		ug/kg	58.0	7.82	1	A
Aroclor 1248	ND		ug/kg	58.0	8.71	1	A
Aroclor 1254	ND		ug/kg	58.0	6.35	1	A
Aroclor 1260	ND		ug/kg	58.0	10.7	1	A
Aroclor 1262	ND		ug/kg	58.0	7.37	1	A
Aroclor 1268	ND		ug/kg	58.0	6.01	1	A
PCBs, Total	ND		ug/kg	58.0	5.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 03/14/24 13:18
 Analyst: MEO

Extraction Method: EPA 3546
 Extraction Date: 03/14/24 05:30
 Cleanup Method: EPA 3665A
 Cleanup Date: 03/14/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/14/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1896036-1						
Aroclor 1016	ND		ug/kg	47.7	4.23	A
Aroclor 1221	ND		ug/kg	47.7	4.78	A
Aroclor 1232	ND		ug/kg	47.7	10.1	A
Aroclor 1242	ND		ug/kg	47.7	6.42	A
Aroclor 1248	ND		ug/kg	47.7	7.15	A
Aroclor 1254	ND		ug/kg	47.7	5.21	A
Aroclor 1260	ND		ug/kg	47.7	8.81	A
Aroclor 1262	ND		ug/kg	47.7	6.05	A
Aroclor 1268	ND		ug/kg	47.7	4.94	A
PCBs, Total	ND		ug/kg	47.7	4.23	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	105		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1896036-2 WG1896036-3									
Aroclor 1016	92		105		40-140	13		50	A
Aroclor 1260	93		106		40-140	13		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		78		30-150	A
Decachlorobiphenyl	86		96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		84		30-150	B
Decachlorobiphenyl	88		97		30-150	B

PESTICIDES

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-01
 Client ID: EP-47 03-12-24 11'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:00
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 03/15/24 11:04
 Analyst: AKM
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 03/14/24 17:58
 Cleanup Method: EPA 3620B
 Cleanup Date: 03/15/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.352	1	A
Lindane	ND		ug/kg	0.749	0.335	1	A
Alpha-BHC	ND		ug/kg	0.749	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.682	1	A
Heptachlor	ND		ug/kg	0.899	0.403	1	A
Aldrin	ND		ug/kg	1.80	0.633	1	A
Heptachlor epoxide	ND		ug/kg	3.37	1.01	1	A
Endrin	ND		ug/kg	0.749	0.307	1	A
Endrin aldehyde	ND		ug/kg	2.25	0.786	1	A
Endrin ketone	ND		ug/kg	1.80	0.463	1	A
Dieldrin	ND		ug/kg	1.12	0.562	1	A
4,4'-DDE	ND		ug/kg	1.80	0.416	1	A
4,4'-DDD	ND		ug/kg	1.80	0.641	1	A
4,4'-DDT	ND		ug/kg	1.80	1.44	1	A
Endosulfan I	ND		ug/kg	1.80	0.425	1	A
Endosulfan II	ND		ug/kg	1.80	0.601	1	A
Endosulfan sulfate	ND		ug/kg	0.749	0.356	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
Toxaphene	ND		ug/kg	33.7	9.44	1	A
cis-Chlordane	ND		ug/kg	2.25	0.626	1	A
trans-Chlordane	ND		ug/kg	2.25	0.593	1	A
Chlordane	ND		ug/kg	15.0	5.95	1	A

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-01
 Client ID: EP-47 03-12-24 11'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:00
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-02
 Client ID: EP-22 03-12-24 7'-8'
 Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:15
 Date Received: 03/12/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 03/15/24 11:16
 Analyst: AKM
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 03/14/24 17:58
 Cleanup Method: EPA 3620B
 Cleanup Date: 03/15/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.770	0.344	1	A
Alpha-BHC	ND		ug/kg	0.770	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.701	1	A
Heptachlor	ND		ug/kg	0.924	0.414	1	A
Aldrin	ND		ug/kg	1.85	0.651	1	A
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1	A
Endrin	ND		ug/kg	0.770	0.316	1	A
Endrin aldehyde	ND		ug/kg	2.31	0.809	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	ND		ug/kg	1.85	0.427	1	A
4,4'-DDD	ND		ug/kg	1.85	0.659	1	A
4,4'-DDT	ND		ug/kg	1.85	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.618	1	A
Endosulfan sulfate	ND		ug/kg	0.770	0.366	1	A
Methoxychlor	ND		ug/kg	3.46	1.08	1	A
Toxaphene	ND		ug/kg	34.6	9.70	1	A
cis-Chlordane	ND		ug/kg	2.31	0.644	1	A
trans-Chlordane	ND		ug/kg	2.31	0.610	1	A
Chlordane	ND		ug/kg	15.4	6.12	1	A

Project Name: 318 NEVINS**Lab Number:** L2413372**Project Number:** 15977**Report Date:** 03/28/24**SAMPLE RESULTS**

Lab ID: L2413372-02

Date Collected: 03/12/24 12:15

Client ID: EP-22 03-12-24 7'-8'

Date Received: 03/12/24

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 03/15/24 10:29
 Analyst: AKM

Extraction Method: EPA 3546
 Extraction Date: 03/14/24 17:58
 Cleanup Method: EPA 3620B
 Cleanup Date: 03/15/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1896447-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.648	0.290	A
Alpha-BHC	ND		ug/kg	0.648	0.184	A
Beta-BHC	ND		ug/kg	1.55	0.589	A
Heptachlor	ND		ug/kg	0.777	0.348	A
Aldrin	ND		ug/kg	1.55	0.547	A
Heptachlor epoxide	ND		ug/kg	2.91	0.874	A
Endrin	ND		ug/kg	0.648	0.266	A
Endrin aldehyde	ND		ug/kg	1.94	0.680	A
Endrin ketone	ND		ug/kg	1.55	0.400	A
Dieldrin	ND		ug/kg	0.972	0.486	A
4,4'-DDE	ND		ug/kg	1.55	0.359	A
4,4'-DDD	ND		ug/kg	1.55	0.554	A
4,4'-DDT	ND		ug/kg	1.55	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.367	A
Endosulfan II	ND		ug/kg	1.55	0.519	A
Endosulfan sulfate	ND		ug/kg	0.648	0.308	A
Methoxychlor	ND		ug/kg	2.91	0.907	A
Toxaphene	ND		ug/kg	29.1	8.16	A
cis-Chlordane	ND		ug/kg	1.94	0.541	A
trans-Chlordane	ND		ug/kg	1.94	0.513	A
Chlordane	ND		ug/kg	13.0	5.15	A

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 03/15/24 10:29
 Analyst: AKM

Extraction Method: EPA 3546
 Extraction Date: 03/14/24 17:58
 Cleanup Method: EPA 3620B
 Cleanup Date: 03/15/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1896447-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	93		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1896447-2 WG1896447-3									
Delta-BHC	94		97		30-150	3		30	A
Lindane	96		101		30-150	5		30	A
Alpha-BHC	96		99		30-150	3		30	A
Beta-BHC	103		122		30-150	17		30	A
Heptachlor	98		101		30-150	3		30	A
Aldrin	97		101		30-150	4		30	A
Heptachlor epoxide	88		90		30-150	2		30	A
Endrin	103		108		30-150	5		30	A
Endrin aldehyde	93		95		30-150	2		30	A
Endrin ketone	105		111		30-150	6		30	A
Dieldrin	105		111		30-150	6		30	A
4,4'-DDE	99		104		30-150	5		30	A
4,4'-DDD	105		109		30-150	4		30	A
4,4'-DDT	98		104		30-150	6		30	A
Endosulfan I	94		99		30-150	5		30	A
Endosulfan II	99		106		30-150	7		30	A
Endosulfan sulfate	100		106		30-150	6		30	A
Methoxychlor	113		120		30-150	6		30	A
cis-Chlordane	93		98		30-150	5		30	A
trans-Chlordane	103		109		30-150	6		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1896447-2 WG1896447-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		80		30-150	A
Decachlorobiphenyl	110		110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		84		30-150	B
Decachlorobiphenyl	92		90		30-150	B

METALS

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-01

Date Collected: 03/12/24 12:00

Client ID: EP-47 03-12-24 11'

Date Received: 03/12/24

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5360		mg/kg	21.6	5.84	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	10.8	0.822	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.55	J	mg/kg	2.16	0.450	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Barium, Total	25.4		mg/kg	2.16	0.376	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.344	J	mg/kg	1.08	0.071	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	2.16	0.212	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Calcium, Total	949		mg/kg	21.6	7.57	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Chromium, Total	18.3		mg/kg	2.16	0.208	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.28	J	mg/kg	4.32	0.359	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Copper, Total	13.9		mg/kg	2.16	0.558	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Iron, Total	11800		mg/kg	10.8	1.95	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Lead, Total	10.3	J	mg/kg	10.8	0.579	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Magnesium, Total	3170		mg/kg	21.6	3.33	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Manganese, Total	102		mg/kg	2.16	0.344	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.074	0.048	1	03/14/24 23:50	03/15/24 10:54	EPA 7471B	1,7471B	GMG
Nickel, Total	44.8		mg/kg	5.40	0.523	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Potassium, Total	888		mg/kg	540	31.1	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	4.32	0.558	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.08	0.612	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Sodium, Total	243	J	mg/kg	432	6.81	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Thallium, Total	0.845	J	mg/kg	4.32	0.681	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Vanadium, Total	19.8		mg/kg	2.16	0.439	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC
Zinc, Total	28.8		mg/kg	10.8	0.633	5	03/13/24 08:35	03/13/24 13:41	EPA 3050B	1,6010D	DMC



Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-02

Date Collected: 03/12/24 12:15

Client ID: EP-22 03-12-24 7'-8'

Date Received: 03/12/24

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7170		mg/kg	23.2	6.26	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	11.6	0.882	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.29		mg/kg	2.32	0.483	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Barium, Total	50.4		mg/kg	2.32	0.404	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.399	J	mg/kg	1.16	0.077	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	2.32	0.227	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Calcium, Total	12800		mg/kg	23.2	8.12	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Chromium, Total	13.6		mg/kg	2.32	0.223	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Cobalt, Total	5.51		mg/kg	4.64	0.385	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Copper, Total	15.9		mg/kg	2.32	0.599	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Iron, Total	14300		mg/kg	11.6	2.10	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Lead, Total	65.8		mg/kg	11.6	0.622	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Magnesium, Total	2130		mg/kg	23.2	3.57	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Manganese, Total	398		mg/kg	2.32	0.369	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Mercury, Total	0.251		mg/kg	0.084	0.055	1	03/14/24 23:50	03/15/24 10:57	EPA 7471B	1,7471B	GMG
Nickel, Total	15.4		mg/kg	5.80	0.562	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Potassium, Total	813		mg/kg	580	33.4	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	4.64	0.599	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.16	0.657	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Sodium, Total	233	J	mg/kg	464	7.31	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	4.64	0.731	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Vanadium, Total	21.3		mg/kg	2.32	0.471	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC
Zinc, Total	41.8		mg/kg	11.6	0.680	5	03/13/24 08:35	03/13/24 13:46	EPA 3050B	1,6010D	DMC



Project Name: 318 NEVINS**Lab Number:** L2413372**Project Number:** 15977**Report Date:** 03/28/24**SAMPLE RESULTS**

Lab ID: L2413372-03

Date Collected: 03/12/24 12:30

Client ID: EP-21 03-12-24 7'-8'

Date Received: 03/12/24

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	11.2		mg/kg	2.64	0.548	5	03/13/24 08:35	03/13/24 13:50	EPA 3050B	1,6010D	DMC



Project Name: 318 NEVINS**Lab Number:** L2413372**Project Number:** 15977**Report Date:** 03/28/24**SAMPLE RESULTS**

Lab ID: L2413372-05

Date Collected: 03/12/24 12:50

Client ID: EP-90 03-12-24 11'

Date Received: 03/12/24

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	4.84		mg/kg	2.49	0.517	5	03/13/24 08:35	03/13/24 13:55	EPA 3050B	1,6010D	DMC



Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,05 Batch: WG1895478-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Arsenic, Total	0.113	J	mg/kg	0.400	0.083	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Barium, Total	ND		mg/kg	0.400	0.070	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Chromium, Total	0.045	J	mg/kg	0.400	0.038	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Copper, Total	ND		mg/kg	0.400	0.103	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Iron, Total	2.50		mg/kg	2.00	0.361	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Lead, Total	ND		mg/kg	2.00	0.107	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Potassium, Total	ND		mg/kg	100	5.76	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Silver, Total	ND		mg/kg	0.200	0.113	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Sodium, Total	ND		mg/kg	80.0	1.26	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/13/24 08:35	03/13/24 11:34	1,6010D	DMC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1896359-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/14/24 23:50	03/15/24 09:27	1,7471B	GMG



Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1895478-2 SRM Lot Number: D123-540								
Aluminum, Total	58		-		53-147	-		
Antimony, Total	148		-		2-201	-		
Arsenic, Total	86		-		82-118	-		
Barium, Total	94		-		82-118	-		
Beryllium, Total	86		-		83-117	-		
Cadmium, Total	83		-		83-118	-		
Calcium, Total	84		-		82-118	-		
Chromium, Total	86		-		81-118	-		
Cobalt, Total	88		-		83-117	-		
Copper, Total	89		-		83-117	-		
Iron, Total	74		-		58-142	-		
Lead, Total	89		-		82-119	-		
Magnesium, Total	75		-		75-124	-		
Manganese, Total	91		-		81-119	-		
Nickel, Total	88		-		82-118	-		
Potassium, Total	72		-		72-128	-		
Selenium, Total	85		-		81-119	-		
Silver, Total	88		-		79-120	-		
Sodium, Total	95		-		74-126	-		
Thallium, Total	85		-		81-120	-		
Vanadium, Total	84		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1895478-2 SRM Lot Number: D123-540					
Zinc, Total	83	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1896359-2 SRM Lot Number: D123-540					
Mercury, Total	97	-	67-132	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1895478-3 WG1895478-4 QC Sample: L2413311-13 Client ID: MS Sample												
Aluminum, Total	8300	184	9660	739	Q	9760	810	Q	75-125	1		20
Antimony, Total	ND	46	43.7	95		43.9	97		75-125	0		20
Arsenic, Total	4.84	11	15.5	96		15.0	94		75-125	3		20
Barium, Total	109	184	274	90		270	89		75-125	1		20
Beryllium, Total	0.425J	4.6	5.05	110		4.96	110		75-125	2		20
Cadmium, Total	ND	4.88	4.71	96		4.67	98		75-125	1		20
Calcium, Total	487	920	1480	108		1550	118		75-125	5		20
Chromium, Total	12.5	18.4	31.0	100		31.1	103		75-125	0		20
Cobalt, Total	1.92J	46	46.8	102		46.3	103		75-125	1		20
Copper, Total	7.33	23	30.9	102		31.3	106		75-125	1		20
Iron, Total	9740B	92	10100	391	Q	10200	511	Q	75-125	1		20
Lead, Total	191	48.8	223	66	Q	240	103		75-125	7		20
Magnesium, Total	820	920	1800	106		1810	110		75-125	1		20
Manganese, Total	124	46	177	115		170	102		75-125	4		20
Nickel, Total	5.24J	46	50.8	110		50.5	112		75-125	1		20
Potassium, Total	250J	920	1200	130	Q	1200	133	Q	75-125	0		20
Selenium, Total	ND	11	8.90	80		9.11	84		75-125	2		20
Silver, Total	ND	4.6	4.53	98		4.54	101		75-125	0		20
Sodium, Total	25.4J	920	959	104		945	105		75-125	1		20
Thallium, Total	ND	11	10.6	96		10.8	100		75-125	2		20
Vanadium, Total	14.8	46	60.4	99		60.4	101		75-125	0		20

Matrix Spike Analysis Batch Quality Control

Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
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Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1895478-3 WG1895478-4 QC Sample: L2413311-13 Client ID: MS Sample

Zinc, Total	69.6	46	115	99	115	101	75-125	0	20
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Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1896359-3 WG1896359-4 QC Sample: L2410516-118 Client ID: MS Sample

Mercury, Total	0.273	1.54	1.77	97	1.79	102	80-120	1	20
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INORGANICS & MISCELLANEOUS

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-01

Client ID: EP-47 03-12-24 11'

Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:00

Date Received: 03/12/24

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 - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	03/13/24 02:43	121,2540G	WJM
Cyanide, Total	ND		mg/kg	1.1	0.23	1	03/15/24 05:30	03/15/24 13:24	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.913	0.183	1	03/13/24 07:49	03/13/24 11:34	1,7196A	RDS



Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-02

Client ID: EP-22 03-12-24 7'-8'

Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:15

Date Received: 03/12/24

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 - Westborough Lab										
Solids, Total	84.7		%	0.100	NA	1	-	03/13/24 02:43	121,2540G	WJM
Cyanide, Total	ND		mg/kg	1.1	0.23	1	03/15/24 05:30	03/15/24 13:27	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.944	0.189	1	03/13/24 07:49	03/13/24 11:34	1,7196A	RDS



Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-03

Date Collected: 03/12/24 12:30

Client ID: EP-21 03-12-24 7'-8'

Date Received: 03/12/24

Sample Location: BROOKLYN, NY

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 - Westborough Lab										
Solids, Total	72.4		%	0.100	NA	1	-	03/13/24 02:43	121,2540G	WJM
Chromium, Hexavalent	ND		mg/kg	1.10	0.221	1	03/13/24 07:49	03/13/24 11:34	1,7196A	RDS



Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2413372-05

Client ID: EP-90 03-12-24 11'

Sample Location: BROOKLYN, NY

Date Collected: 03/12/24 12:50

Date Received: 03/12/24

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 - Westborough Lab										
Solids, Total	78.4		%	0.100	NA	1	-	03/13/24 02:43	121,2540G	WJM
Chromium, Hexavalent	ND		mg/kg	1.02	0.204	1	03/13/24 07:49	03/13/24 11:34	1,7196A	RDS



Project Name: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03,05 Batch: WG1895474-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	03/13/24 07:49	03/13/24 11:34	1,7196A	RDS
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1896548-1										
Cyanide, Total	ND		mg/kg	0.85	0.18	1	03/15/24 05:30	03/15/24 13:18	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

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Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1895474-2								
Chromium, Hexavalent	91		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1896548-2 WG1896548-3								
Cyanide, Total	87		91		80-120	4		35

Matrix Spike Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1895474-4 QC Sample: L2413372-05 Client ID: EP-90 03-12-24 11'												
Chromium, Hexavalent	ND	1740	1070	61	Q	-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1896548-4 WG1896548-5 QC Sample: L2413372-01 Client ID: EP-47 03-12-24 11'												
Cyanide, Total	ND	10	10	100		11	100		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2413372

Report Date: 03/28/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1895445-1 QC Sample: L2413277-01 Client ID: DUP Sample						
Solids, Total	71.8	72.4	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1895474-6 QC Sample: L2413372-05 Client ID: EP-90 03-12-24 11'						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 318 NEVINS**Lab Number:** L2413372**Project Number:** 15977**Report Date:** 03/28/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2413372-01A	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HOLD-METAL(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2413372-01B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		HOLD-8260HLW(14),HOLD-8260(14)
L2413372-01C	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2413372-01D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2413372-01E	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2413372-01F	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HOLD-WETCHEM(),NYTCL-8081(14),NYTCL-8082(365),HOLD-8081(14),HEXCR-7196(30),HOLD-8082(14)
L2413372-01G	Plastic 8oz unpreserved	A	NA		2.0	Y	Absent		A2-NY-1633-DRAFT-21(90),HOLD-1633(90)
L2413372-01H	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HOLD-WETCHEM(),NYTCL-8081(14),NYTCL-8082(365),HOLD-8081(14),HEXCR-7196(30),HOLD-8082(14)
L2413372-01X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		HOLD-8260HLW(14),HOLD-8260(14)
L2413372-01Y	Vial Water preserved split	A	NA		2.0	Y	Absent		HOLD-8260HLW(14),HOLD-8260(14)
L2413372-01Z	Vial Water preserved split	A	NA		2.0	Y	Absent		HOLD-8260HLW(14),HOLD-8260(14)
L2413372-02A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		HOLD-8260HLW(14),NYTCL-8260HLW(14)
L2413372-02B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		HOLD-8260HLW(14),NYTCL-8260HLW(14)
L2413372-02C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		HOLD-8260HLW(14),NYTCL-8260HLW(14)

Project Name: 318 NEVINS
Project Number: 15977

Serial_No: 03282408:36
Lab Number: L2413372
Report Date: 03/28/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2413372-02D	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),TL-Ti(180),CR-Ti(180),NI-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),CU-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),MG-Ti(180),HOLD-METAL(180),FE-Ti(180),MN-Ti(180),K-Ti(180),CD-Ti(180),NA-Ti(180),CA-Ti(180)
L2413372-02E	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HOLD-WETCHEM(),NYTCL-8081(14),HOLD-8081(14),NYTCL-8082(365),HEXCR-7196(30),HOLD-8082(14)
L2413372-02F	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2413372-02G	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2413372-02H	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2413372-02I	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HOLD-WETCHEM(),NYTCL-8081(14),HOLD-8081(14),NYTCL-8082(365),HEXCR-7196(30),HOLD-8082(14)
L2413372-02J	Plastic 8oz unpreserved	A	NA		2.0	Y	Absent		A2-NY-1633-DRAFT-21(90),HOLD-1633(90)
L2413372-02K	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HOLD-WETCHEM(),NYTCL-8081(14),HOLD-8081(14),NYTCL-8082(365),HEXCR-7196(30),HOLD-8082(14)
L2413372-02X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		HOLD-8260HLW(14),NYTCL-8260HLW(14)
L2413372-02Y	Vial Water preserved split	A	NA		2.0	Y	Absent	13-MAR-24 06:41	HOLD-8260HLW(14),NYTCL-8260HLW(14)
L2413372-02Z	Vial Water preserved split	A	NA		2.0	Y	Absent	13-MAR-24 06:41	HOLD-8260HLW(14),NYTCL-8260HLW(14)
L2413372-03A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		HOLD-8260HLW(14)
L2413372-03B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		HOLD-8260HLW(14)
L2413372-03C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		HOLD-8260HLW(14)
L2413372-03D	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),NI-Ti(180),TL-Ti(180),CR-Ti(180),AL-Ti(180),SE-Ti(180),CU-Ti(180),SB-Ti(180),ZN-Ti(180),PB-Ti(180),CO-Ti(180),V-Ti(180),HOLD-METAL(180),MG-Ti(180),FE-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),NA-Ti(180),K-Ti(180)
L2413372-03E	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14),HOLD-WETCHEM(),HOLD-8081(14),HOLD-8082(14),HEXCR-7196(30)
L2413372-03F	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2413372-03G	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)

Project Name: 318 NEVINS
Project Number: 15977

Serial_No: 03282408:36
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2413372-03H	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2413372-03I	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14),HOLD-WETCHEM(),HOLD-8081(14),HOLD-8082(14),HEXCR-7196(30)
L2413372-03J	Plastic 8oz unpreserved	A	NA		2.0	Y	Absent		HOLD-1633(90)
L2413372-03K	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14),HOLD-WETCHEM(),HOLD-8081(14),HOLD-8082(14),HEXCR-7196(30)
L2413372-03X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		HOLD-8260HLW(14)
L2413372-03Y	Vial Water preserved split	A	NA		2.0	Y	Absent	13-MAR-24 06:41	HOLD-8260HLW(14)
L2413372-03Z	Vial Water preserved split	A	NA		2.0	Y	Absent	13-MAR-24 06:41	HOLD-8260HLW(14)
L2413372-04A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260(14)
L2413372-05A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		HOLD-8260HLW(14),NYCP51-8260HLW-G(14)
L2413372-05B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		HOLD-8260HLW(14),NYCP51-8260HLW-G(14)
L2413372-05C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		HOLD-8260HLW(14),NYCP51-8260HLW-G(14)
L2413372-05D	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),NI-Ti(180),TL-Ti(180),CR-Ti(180),AL-Ti(180),ZN-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MG-Ti(180),HOLD-METAL(180),MN-Ti(180),NA-Ti(180),K-Ti(180),CA-Ti(180),CD-Ti(180)
L2413372-05E	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14),HOLD-WETCHEM(),HOLD-8081(14),HOLD-8082(14),HEXCR-7196(30)
L2413372-05F	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2413372-05G	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2413372-05H	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2413372-05I	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14),HOLD-WETCHEM(),HOLD-8081(14),HOLD-8082(14),HEXCR-7196(30)
L2413372-05J	Plastic 8oz unpreserved	A	NA		2.0	Y	Absent		HOLD-1633(90)
L2413372-05K	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14),HOLD-WETCHEM(),HOLD-8081(14),HOLD-8082(14),HEXCR-7196(30)
L2413372-05X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		HOLD-8260HLW(14),NYCP51-8260HLW-G(14)
L2413372-05Y	Vial Water preserved split	A	NA		2.0	Y	Absent	13-MAR-24 06:41	HOLD-8260HLW(14),NYCP51-8260HLW-G(14)
L2413372-05Z	Vial Water preserved split	A	NA		2.0	Y	Absent	13-MAR-24 06:41	HOLD-8260HLW(14),NYCP51-8260HLW-G(14)

Project Name: 318 NEVINS

Project Number: 15977

Serial_No:03282408:36
Lab Number: L2413372

Report Date: 03/28/24

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/PFTeDA	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/PFDoS	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
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
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/PFOSA	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-Chloroeicosafuoro-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
Nonafuoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 318 NEVINS
Project Number: 15977

Serial_No:03282408:36
Lab Number: L2413372
Report Date: 03/28/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name: 318 NEVINS**Lab Number:** L2413372**Project Number:** 15977**Report Date:** 03/28/24

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: 318 NEVINS

Lab Number: L2413372

Project Number: 15977

Report Date: 03/28/24

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: 318 NEVINS**Lab Number:** L2413372**Project Number:** 15977**Report Date:** 03/28/24**Data Qualifiers**

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- 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: 318 NEVINS
Project Number: 15977

Lab Number: L2413372
Report Date: 03/28/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 20

Published Date: 6/16/2023 4:52:28 PM

Page 1 of 1

Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 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 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****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).**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 Westborough, MA 01561 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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 _____ of _____		Date Rec'd in Lab 3/13/24		ALPHA Job # L2413372																																										
		Project Information Project Name: 318 newias Project Location: Brooklyn NY Project # 15977 (Use Project name as Project #) ☐ Project Manager: Diana posten ALPHAQuote #: Turn-Around Time: Standard ☐ Due Date: Rush (only if pre approved) ☒ # of Days: 1		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #																																												
Client Information Client: Impact environmental Address: 170 Keyland Ct Bohemia NY Phone: Fax: Email: dposten@impactenvironmental.com		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		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: H= Hold + 24 hr TAT * Category-B Please specify Metals or TAL.		ANALYSIS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Ariseic</th> <th>Herchrom</th> <th>TCL Svols + tics</th> <th>TAL metals</th> <th>Total Chromide</th> <th>TCL PCBs + and mercury</th> <th>TCL pest</th> <th>TCL vols + tics</th> <th>NY DEC 145 + 146 (B3) + 147 Dioxane</th> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>H</td> <td>H</td> <td>H</td> <td>H</td> <td>H</td> <td>H</td> </tr> <tr> <td>↓</td> <td>↓</td> <td>↓</td> <td>↓</td> <td>↓</td> <td>↓</td> <td>↓</td> <td>↓</td> <td>↓</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>H</td> <td>H</td> <td>H</td> <td>H</td> <td>H</td> <td>H</td> </tr> </table>		Ariseic	Herchrom	TCL Svols + tics	TAL metals	Total Chromide	TCL PCBs + and mercury	TCL pest	TCL vols + tics	NY DEC 145 + 146 (B3) + 147 Dioxane	X	X	X	H	H	H	H	H	H	↓	↓	↓	↓	↓	↓	↓	↓	↓								X		X	X	X	H	H	H	H	H	H	Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments	
Ariseic	Herchrom	TCL Svols + tics	TAL metals	Total Chromide	TCL PCBs + and mercury	TCL pest	TCL vols + tics	NY DEC 145 + 146 (B3) + 147 Dioxane																																										
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> <tr> <td>13372-01</td> <td>EP-47 03-12-24 11'</td> <td>03/12/24</td> <td>12:00</td> <td>S</td> <td>VB</td> </tr> <tr> <td>02</td> <td>EP-22 03-12-24 7'-8'</td> <td>03/12/24</td> <td>12:15</td> <td>S</td> <td>VB</td> </tr> <tr> <td>03</td> <td>EP-21 03-12-24 7'-8'</td> <td>03/12/24</td> <td>12:30</td> <td>S</td> <td>VB</td> </tr> <tr> <td>04</td> <td>trip Blank</td> <td>2/14</td> <td></td> <td></td> <td>CA</td> </tr> <tr> <td>05</td> <td>EP-91 03-12-24 11'</td> <td>03/12/24</td> <td>12:50</td> <td>S</td> <td>VB</td> </tr> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Date	Time	13372-01	EP-47 03-12-24 11'	03/12/24	12:00	S	VB	02	EP-22 03-12-24 7'-8'	03/12/24	12:15	S	VB	03	EP-21 03-12-24 7'-8'	03/12/24	12:30	S	VB	04	trip Blank	2/14			CA	05	EP-91 03-12-24 11'	03/12/24	12:50	S	VB	Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 Preservative		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.)		
ALPHA Lab ID (Lab Use Only)	Sample ID			Collection				Sample Matrix	Sampler's Initials																																									
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ANALYTICAL REPORT

Lab Number:	L2416462
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Diana Posten
Phone:	(631) 269-8800
Project Name:	318 NEVINS
Project Number:	15977
Report Date:	03/27/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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



Project Name: 318 NEVINS
Project Number: 15977

Lab Number: L2416462
Report Date: 03/27/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2416462-01	DB-1-(10)	SOIL	BROOKLYN, NY	03/26/24 14:00	03/26/24
L2416462-02	DB-1-(15)	SOIL	BROOKLYN, NY	03/26/24 14:15	03/26/24
L2416462-03	DB-1-(20)	SOIL	BROOKLYN, NY	03/26/24 14:30	03/26/24
L2416462-04	DB-1-(25)	SOIL	BROOKLYN, NY	03/26/24 14:45	03/26/24

Project Name: 318 NEVINS
Project Number: 15977

Lab Number: L2416462
Report Date: 03/27/24

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: 318 NEVINS
Project Number: 15977

Lab Number: L2416462
Report Date: 03/27/24

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.

Volatile Organics

L2416462-01: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (169%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2416462-02: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

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:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 03/27/24

ORGANICS

VOLATILES

Project Name: 318 NEVINS**Lab Number:** L2416462**Project Number:** 15977**Report Date:** 03/27/24**SAMPLE RESULTS**

Lab ID: L2416462-01
 Client ID: DB-1-(10)
 Sample Location: BROOKLYN, NY

Date Collected: 03/26/24 14:00
 Date Received: 03/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/27/24 12:36
 Analyst: AJK
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	75		ug/kg	27	9.0	1
Toluene	ND		ug/kg	54	30.	1
Ethylbenzene	110		ug/kg	54	7.7	1
p/m-Xylene	71	J	ug/kg	110	30.	1
o-Xylene	23	J	ug/kg	54	16.	1
Xylenes, Total	94	J	ug/kg	54	16.	1
n-Butylbenzene	1400		ug/kg	54	9.1	1
sec-Butylbenzene	980		ug/kg	54	8.0	1
tert-Butylbenzene	180		ug/kg	110	6.4	1
Isopropylbenzene	2600		ug/kg	54	5.9	1
p-Isopropyltoluene	1300		ug/kg	54	5.9	1
Naphthalene	1200		ug/kg	220	35.	1
n-Propylbenzene	4000		ug/kg	54	9.3	1
1,3,5-Trimethylbenzene	40	J	ug/kg	110	10.	1
1,2,4-Trimethylbenzene	81	J	ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	169	Q	70-130
Dibromofluoromethane	95		70-130

Project Name: 318 NEVINS**Lab Number:** L2416462**Project Number:** 15977**Report Date:** 03/27/24**SAMPLE RESULTS**

Lab ID: L2416462-02
 Client ID: DB-1-(15)
 Sample Location: BROOKLYN, NY

Date Collected: 03/26/24 14:15
 Date Received: 03/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/27/24 12:10
 Analyst: AJK
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	170		ug/kg	0.62	0.21	1
Toluene	2.8		ug/kg	1.2	0.67	1
Ethylbenzene	46		ug/kg	1.2	0.18	1
p/m-Xylene	1500	E	ug/kg	2.5	0.70	1
o-Xylene	7.6		ug/kg	1.2	0.36	1
Xylenes, Total	5700	J	ug/kg	1.2	0.36	1
n-Butylbenzene	29		ug/kg	1.2	0.21	1
sec-Butylbenzene	37		ug/kg	1.2	0.18	1
tert-Butylbenzene	5.2		ug/kg	2.5	0.15	1
Isopropylbenzene	120		ug/kg	1.2	0.14	1
p-Isopropyltoluene	43		ug/kg	1.2	0.14	1
Naphthalene	94		ug/kg	5.0	0.81	1
n-Propylbenzene	140		ug/kg	1.2	0.21	1
1,3,5-Trimethylbenzene	260		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	750	E	ug/kg	2.5	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	98		70-130

Project Name: 318 NEVINS

Lab Number: L2416462

Project Number: 15977

Report Date: 03/27/24

SAMPLE RESULTS

Lab ID: L2416462-02
 Client ID: DB-1-(15)
 Sample Location: BROOKLYN, NY

Date Collected: 03/26/24 14:15
 Date Received: 03/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/27/24 13:26
 Analyst: LAC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	430		ug/kg	36	12.	1
Toluene	ND		ug/kg	72	39.	1
Ethylbenzene	160		ug/kg	72	10.	1
p/m-Xylene	5700		ug/kg	140	40.	1
o-Xylene	33	J	ug/kg	72	21.	1
Xylenes, Total	5700	J	ug/kg	72	21.	1
n-Butylbenzene	270		ug/kg	72	12.	1
sec-Butylbenzene	260		ug/kg	72	10.	1
tert-Butylbenzene	28	J	ug/kg	140	8.5	1
Isopropylbenzene	480		ug/kg	72	7.8	1
p-Isopropyltoluene	270		ug/kg	72	7.8	1
Naphthalene	1700		ug/kg	290	47.	1
n-Propylbenzene	720		ug/kg	72	12.	1
1,3,5-Trimethylbenzene	1400		ug/kg	140	14.	1
1,2,4-Trimethylbenzene	4500		ug/kg	140	24.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	101		70-130

Project Name: 318 NEVINS**Lab Number:** L2416462**Project Number:** 15977**Report Date:** 03/27/24**SAMPLE RESULTS**

Lab ID: L2416462-03
 Client ID: DB-1-(20)
 Sample Location: BROOKLYN, NY

Date Collected: 03/26/24 14:30
 Date Received: 03/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/27/24 11:10
 Analyst: AJK
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Project Name: 318 NEVINS**Lab Number:** L2416462**Project Number:** 15977**Report Date:** 03/27/24**SAMPLE RESULTS**

Lab ID: L2416462-04
 Client ID: DB-1-(25)
 Sample Location: BROOKLYN, NY

Date Collected: 03/26/24 14:45
 Date Received: 03/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/27/24 11:35
 Analyst: AJK
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	107		70-130

Project Name: 318 NEVINS

Lab Number: L2416462

Project Number: 15977

Report Date: 03/27/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/27/24 09:28
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-04 Batch: WG1901484-5					
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: 318 NEVINS
Project Number: 15977

Lab Number: L2416462
Report Date: 03/27/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/27/24 09:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1901513-5					
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2416462

Report Date: 03/27/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/27/24 09:36
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1901523-5					
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2416462

Report Date: 03/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04 Batch: WG1901484-3 WG1901484-4								
Benzene	113		108		70-130	5		30
Toluene	109		103		70-130	6		30
Ethylbenzene	113		107		70-130	5		30
p/m-Xylene	116		111		70-130	4		30
o-Xylene	111		107		70-130	4		30
n-Butylbenzene	119		113		70-130	5		30
sec-Butylbenzene	117		111		70-130	5		30
tert-Butylbenzene	113		108		70-130	5		30
Isopropylbenzene	113		108		70-130	5		30
p-Isopropyltoluene	117		113		70-130	3		30
Naphthalene	94		99		70-130	5		30
n-Propylbenzene	113		108		70-130	5		30
1,3,5-Trimethylbenzene	110		106		70-130	4		30
1,2,4-Trimethylbenzene	108		104		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	101		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2416462

Report Date: 03/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1901513-3 WG1901513-4								
Benzene	113		108		70-130	5		30
Toluene	109		103		70-130	6		30
Ethylbenzene	113		107		70-130	5		30
p/m-Xylene	116		111		70-130	4		30
o-Xylene	111		107		70-130	4		30
n-Butylbenzene	119		113		70-130	5		30
sec-Butylbenzene	117		111		70-130	5		30
tert-Butylbenzene	113		108		70-130	5		30
Isopropylbenzene	113		108		70-130	5		30
p-Isopropyltoluene	117		113		70-130	3		30
Naphthalene	94		99		70-130	5		30
n-Propylbenzene	113		108		70-130	5		30
1,3,5-Trimethylbenzene	110		106		70-130	4		30
1,2,4-Trimethylbenzene	108		104		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	101		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2416462

Report Date: 03/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1901523-3 WG1901523-4								
Benzene	93		90		70-130	3		30
Toluene	79		79		70-130	0		30
Ethylbenzene	82		81		70-130	1		30
p/m-Xylene	86		84		70-130	2		30
o-Xylene	86		87		70-130	1		30
n-Butylbenzene	82		81		70-130	1		30
sec-Butylbenzene	76		76		70-130	0		30
tert-Butylbenzene	74		73		70-130	1		30
Isopropylbenzene	74		73		70-130	1		30
p-Isopropyltoluene	80		81		70-130	1		30
Naphthalene	97		116		70-130	18		30
n-Propylbenzene	76		76		70-130	0		30
1,3,5-Trimethylbenzene	77		78		70-130	1		30
1,2,4-Trimethylbenzene	82		83		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		118		70-130
Toluene-d8	93		91		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	110		107		70-130

SEMIVOLATILES

Project Name: 318 NEVINS

Lab Number: L2416462

Project Number: 15977

Report Date: 03/27/24

SAMPLE RESULTS

Lab ID: L2416462-01
 Client ID: DB-1-(10)
 Sample Location: BROOKLYN, NY

Date Collected: 03/26/24 14:00
 Date Received: 03/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/27/24 10:29
 Analyst: SZ
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 03/27/24 04:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	ND		ug/kg	110	22.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	121	Q	23-120
2-Fluorobiphenyl	77		30-120
4-Terphenyl-d14	76		18-120

Project Name: 318 NEVINS**Lab Number:** L2416462**Project Number:** 15977**Report Date:** 03/27/24**SAMPLE RESULTS**

Lab ID: L2416462-02
 Client ID: DB-1-(15)
 Sample Location: BROOKLYN, NY

Date Collected: 03/26/24 14:15
 Date Received: 03/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/27/24 10:53
 Analyst: SZ
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 03/27/24 04:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Fluoranthene	ND		ug/kg	120	24.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	120	21.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	68		30-120
4-Terphenyl-d14	64		18-120

Project Name: 318 NEVINS**Lab Number:** L2416462**Project Number:** 15977**Report Date:** 03/27/24**SAMPLE RESULTS**

Lab ID: L2416462-03
 Client ID: DB-1-(20)
 Sample Location: BROOKLYN, NY

Date Collected: 03/26/24 14:30
 Date Received: 03/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/27/24 11:17
 Analyst: SZ
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 03/27/24 04:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	ND		ug/kg	120	23.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	64		30-120
4-Terphenyl-d14	64		18-120

Project Name: 318 NEVINS

Lab Number: L2416462

Project Number: 15977

Report Date: 03/27/24

SAMPLE RESULTS

Lab ID: L2416462-04
 Client ID: DB-1-(25)
 Sample Location: BROOKLYN, NY

Date Collected: 03/26/24 14:45
 Date Received: 03/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/27/24 11:41
 Analyst: SZ
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 03/27/24 04:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	ND		ug/kg	120	22.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	67		30-120
4-Terphenyl-d14	63		18-120

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2416462

Report Date: 03/27/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 03/27/24 07:40
 Analyst: SZ

Extraction Method: EPA 3546
 Extraction Date: 03/27/24 04:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1901204-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	98	19.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	80		30-120
4-Terphenyl-d14	82		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2416462

Report Date: 03/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1901204-2 WG1901204-3								
Acenaphthene	67		58		31-137	14		50
Fluoranthene	72		63		40-140	13		50
Benzo(a)anthracene	68		59		40-140	14		50
Benzo(a)pyrene	73		63		40-140	15		50
Benzo(b)fluoranthene	70		61		40-140	14		50
Benzo(k)fluoranthene	74		64		40-140	14		50
Chrysene	66		58		40-140	13		50
Acenaphthylene	72		64		40-140	12		50
Anthracene	70		60		40-140	15		50
Benzo(ghi)perylene	69		61		40-140	12		50
Fluorene	70		61		40-140	14		50
Phenanthrene	67		58		40-140	14		50
Dibenzo(a,h)anthracene	70		60		40-140	15		50
Indeno(1,2,3-cd)pyrene	70		59		40-140	17		50
Pyrene	72		63		35-142	13		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	70		65		23-120
2-Fluorobiphenyl	77		69		30-120
4-Terphenyl-d14	79		69		18-120

INORGANICS & MISCELLANEOUS

Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2416462**Report Date:** 03/27/24**SAMPLE RESULTS****Lab ID:** L2416462-01**Client ID:** DB-1-(10)**Sample Location:** BROOKLYN, NY**Date Collected:** 03/26/24 14:00**Date Received:** 03/26/24**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 - Westborough Lab										
Solids, Total	86.5		%	0.100	NA	1	-	03/27/24 03:46	121,2540G	WJM



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2416462**Report Date:** 03/27/24**SAMPLE RESULTS****Lab ID:** L2416462-02**Client ID:** DB-1-(15)**Sample Location:** BROOKLYN, NY**Date Collected:** 03/26/24 14:15**Date Received:** 03/26/24**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 - Westborough Lab										
Solids, Total	78.0		%	0.100	NA	1	-	03/27/24 03:46	121,2540G	WJM



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2416462**Report Date:** 03/27/24**SAMPLE RESULTS****Lab ID:** L2416462-03**Client ID:** DB-1-(20)**Sample Location:** BROOKLYN, NY**Date Collected:** 03/26/24 14:30**Date Received:** 03/26/24**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 - Westborough Lab										
Solids, Total	80.3		%	0.100	NA	1	-	03/27/24 03:46	121,2540G	WJM



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2416462**Report Date:** 03/27/24**SAMPLE RESULTS****Lab ID:** L2416462-04**Client ID:** DB-1-(25)**Sample Location:** BROOKLYN, NY**Date Collected:** 03/26/24 14:45**Date Received:** 03/26/24**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 - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	03/27/24 03:46	121,2540G	WJM



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 318 NEVINS**Project Number:** 15977**Lab Number:** L2416462**Report Date:** 03/27/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1901203-1 QC Sample: L2416352-01 Client ID: DUP Sample						
Solids, Total	80.6	81.5	%	1		20

Project Name: 318 NEVINS
Project Number: 15977

Serial_No: 03272414:56
Lab Number: L2416462
Report Date: 03/27/24

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(*)
L2416462-01A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2416462-01B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2416462-01C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2416462-01D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2416462-01X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2416462-01Y	Vial Water preserved split	A	NA		2.0	Y	Absent	27-MAR-24 06:45	NYCP51-8260HLW(14)
L2416462-01Z	Vial Water preserved split	A	NA		2.0	Y	Absent	27-MAR-24 06:45	NYCP51-8260HLW(14)
L2416462-02A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14),NYCP51-8260H(14)
L2416462-02B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14),NYCP51-8260H(14)
L2416462-02C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14),NYCP51-8260H(14)
L2416462-02D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2416462-02X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14),NYCP51-8260H(14)
L2416462-02Y	Vial Water preserved split	A	NA		2.0	Y	Absent	27-MAR-24 06:45	NYCP51-8260HLW(14),NYCP51-8260H(14)
L2416462-02Z	Vial Water preserved split	A	NA		2.0	Y	Absent	27-MAR-24 06:45	NYCP51-8260HLW(14),NYCP51-8260H(14)
L2416462-03A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2416462-03B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2416462-03C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2416462-03D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2416462-03X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2416462-03Y	Vial Water preserved split	A	NA		2.0	Y	Absent	27-MAR-24 06:45	NYCP51-8260HLW(14)
L2416462-03Z	Vial Water preserved split	A	NA		2.0	Y	Absent	27-MAR-24 06:45	NYCP51-8260HLW(14)
L2416462-04A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2416462-04B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)

Project Name: 318 NEVINS
Project Number: 15977

Serial_No:03272414:56
Lab Number: L2416462
Report Date: 03/27/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2416462-04C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2416462-04D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2416462-04X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2416462-04Y	Vial Water preserved split	A	NA		2.0	Y	Absent	27-MAR-24 06:45	NYCP51-8260HLW(14)
L2416462-04Z	Vial Water preserved split	A	NA		2.0	Y	Absent	27-MAR-24 06:45	NYCP51-8260HLW(14)

Project Name: 318 NEVINS

Lab Number: L2416462

Project Number: 15977

Report Date: 03/27/24

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: 318 NEVINS**Lab Number:** L2416462**Project Number:** 15977**Report Date:** 03/27/24**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: 318 NEVINS**Lab Number:** L2416462**Project Number:** 15977**Report Date:** 03/27/24**Data Qualifiers**

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- 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.)

Project Name: 318 NEVINS
Project Number: 15977

Lab Number: L2416462
Report Date: 03/27/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 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 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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).

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

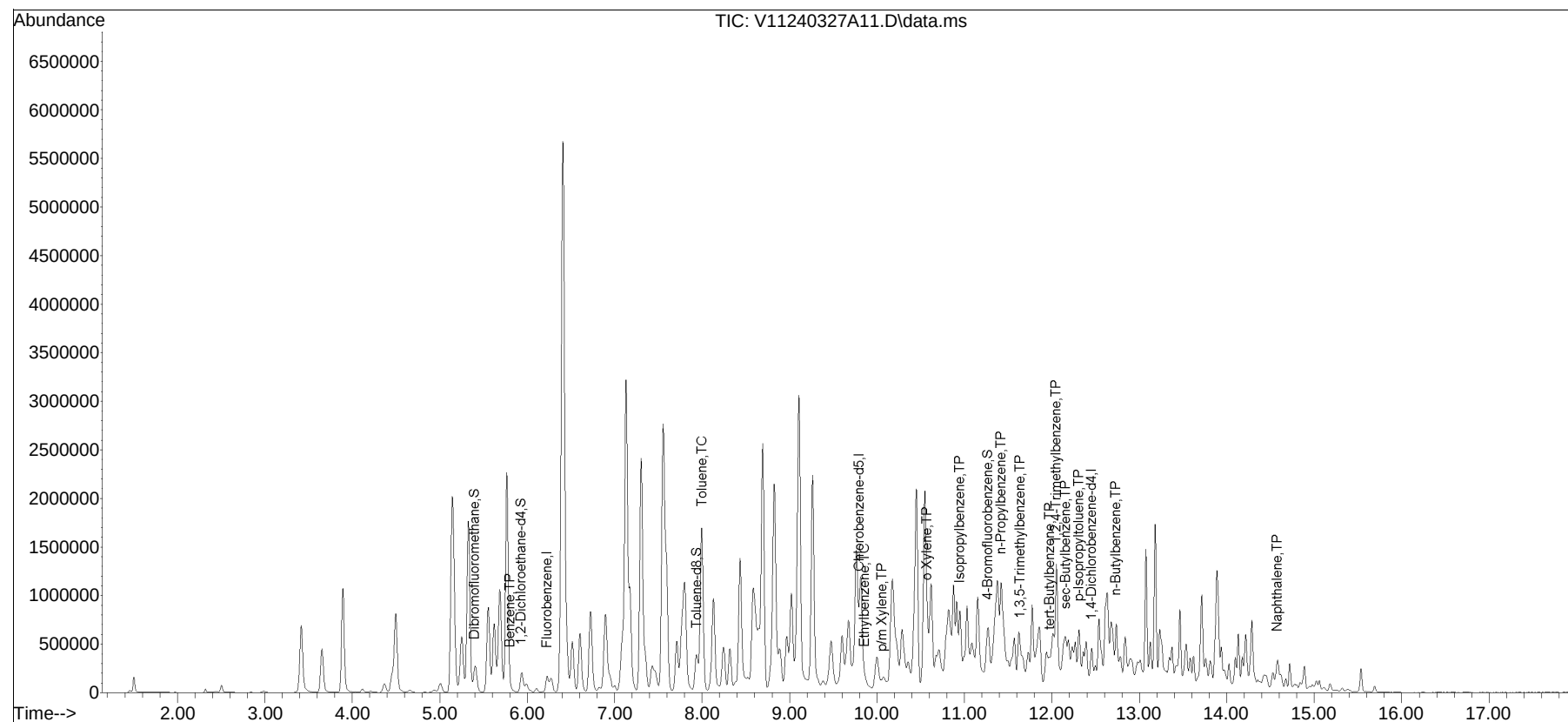
For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA111\2024\240327A\
Data File : V11240327A11.D
Acq On : 27 Mar 2024 12:36 pm
Operator : VOA111:AJK
Sample : L2416462-01,31H,6.18,5,0.100,,X,R3A
Misc : WG1901513,ICAL20962
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 27 12:57:00 2024
Quant Method : K:\VOA111\2024\240327A\V111_240321N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Mar 22 12:08:01 2024
Response via : Initial Calibration

Sub List : 8260-NYCP51 - NYCP5140327A\V11240327A01.D•





ANALYTICAL REPORT

Lab Number:	L2417344
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Diana Posten
Phone:	(631) 269-8800
Project Name:	318 NEVINS
Project Number:	15977
Report Date:	04/02/24

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Project Name: 318 NEVINS
Project Number: 15977

Lab Number: L2417344
Report Date: 04/02/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2417344-01	DB-2 (5')	SOIL	BROOKLYN, NY	03/29/24 09:45	03/29/24
L2417344-02	DB-2 (10')	SOIL	BROOKLYN, NY	03/29/24 09:50	03/29/24
L2417344-03	DB-2 (15')	SOIL	BROOKLYN, NY	03/29/24 09:55	03/29/24
L2417344-04	DB-2 (20')	SOIL	BROOKLYN, NY	03/29/24 10:00	03/29/24
L2417344-05	DB-3 (5')	SOIL	BROOKLYN, NY	03/29/24 10:15	03/29/24
L2417344-06	DB-3 (10')	SOIL	BROOKLYN, NY	03/29/24 10:20	03/29/24
L2417344-07	DB-3 (15')	SOIL	BROOKLYN, NY	03/29/24 10:25	03/29/24
L2417344-08	DB-3 (20')	SOIL	BROOKLYN, NY	03/29/24 10:30	03/29/24
L2417344-09	DB-4 (5')	SOIL	BROOKLYN, NY	03/29/24 11:00	03/29/24
L2417344-10	DB-4 (10')	SOIL	BROOKLYN, NY	03/29/24 11:05	03/29/24
L2417344-11	DB-4 (15')	SOIL	BROOKLYN, NY	03/29/24 11:10	03/29/24
L2417344-12	DB-4 (20')	SOIL	BROOKLYN, NY	03/29/24 11:15	03/29/24
L2417344-13	DB-5 (5')	SOIL	BROOKLYN, NY	03/29/24 11:40	03/29/24
L2417344-14	DB-5 (10')	SOIL	BROOKLYN, NY	03/29/24 11:45	03/29/24
L2417344-15	DB-5 (15')	SOIL	BROOKLYN, NY	03/29/24 11:50	03/29/24
L2417344-16	DB-5 (20')	SOIL	BROOKLYN, NY	03/29/24 11:55	03/29/24
L2417344-17	DB-6 (5')	SOIL	BROOKLYN, NY	03/29/24 12:00	03/29/24
L2417344-18	DB-6 (10')	SOIL	BROOKLYN, NY	03/29/24 12:05	03/29/24
L2417344-19	DB-6 (15')	SOIL	BROOKLYN, NY	03/29/24 12:10	03/29/24
L2417344-20	DB-6 (20')	SOIL	BROOKLYN, NY	03/29/24 12:15	03/29/24
L2417344-21	DB-7 (5')	SOIL	BROOKLYN, NY	03/29/24 13:20	03/29/24
L2417344-22	DB-7 (10')	SOIL	BROOKLYN, NY	03/29/24 13:25	03/29/24
L2417344-23	DB-7 (15')	SOIL	BROOKLYN, NY	03/29/24 13:30	03/29/24
L2417344-24	DB-7 (20')	SOIL	BROOKLYN, NY	03/29/24 13:35	03/29/24

Project Name: 318 NEVINS
Project Number: 15977

Lab Number: L2417344
Report Date: 04/02/24

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: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**Case Narrative (continued)****Report Submission**

April 02, 2024: This final report includes the results of all requested analyses.

April 01, 2024: This is a preliminary report.

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

Sample Receipt

L2417344-16: The container for Semivolatile Organics was received empty; therefore, the analysis could not be performed.

L2417344-16: Raw soil was not submitted for the analysis of Total Solids. At the client's request, the Total Solids result from their sample "DB-5 (15)" (reported as L2417344-15) was utilized in the dry weight calculation of the sample results.

Volatile Organics

L2417344-01: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (24%) and the surrogate recovery for 4-bromofluorobenzene (172%) were outside the acceptance criteria; however, re-analysis achieved the following results: 1,4-dichlorobenzene-d4 (25%), 1,2-dichloroethane-d4 (134%) and 4-bromofluorobenzene (156%). The results of both analyses are reported; however, since the IS response was below method criteria, all associated compounds and surrogate recoveries are considered to have a potentially high bias.

L2417344-14: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (581%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2417344-18: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (156%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**Case Narrative (continued)**

L2417344-19: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (379%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Semivolatile Organics

L2417344-02, -03, and -15: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

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:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 04/02/24

ORGANICS

VOLATILES

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-01
 Client ID: DB-2 (5')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 09:45
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 13:47
 Analyst: AJK
 Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	1.3	0.43	1
Toluene	ND		ug/kg	2.6	1.4	1
Ethylbenzene	ND		ug/kg	2.6	0.36	1
p/m-Xylene	ND		ug/kg	5.2	1.4	1
o-Xylene	ND		ug/kg	2.6	0.75	1
Xylenes, Total	ND		ug/kg	2.6	0.75	1
n-Butylbenzene	ND		ug/kg	2.6	0.43	1
sec-Butylbenzene	ND		ug/kg	2.6	0.38	1
tert-Butylbenzene	ND		ug/kg	5.2	0.30	1
Isopropylbenzene	ND		ug/kg	2.6	0.28	1
p-Isopropyltoluene	ND		ug/kg	2.6	0.28	1
Naphthalene	ND		ug/kg	10	1.7	1
n-Propylbenzene	ND		ug/kg	2.6	0.44	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.50	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.86	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	172	Q	70-130
Dibromofluoromethane	114		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-01 R

Date Collected: 03/29/24 09:45

Client ID: DB-2 (5')

Date Received: 03/29/24

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 03/31/24 17:15

Analyst: JIC

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	1.8	0.59	1
Toluene	ND		ug/kg	3.5	1.9	1
Ethylbenzene	ND		ug/kg	3.5	0.50	1
p/m-Xylene	ND		ug/kg	7.1	2.0	1
o-Xylene	ND		ug/kg	3.5	1.0	1
Xylenes, Total	ND		ug/kg	3.5	1.0	1
n-Butylbenzene	ND		ug/kg	3.5	0.59	1
sec-Butylbenzene	ND		ug/kg	3.5	0.52	1
tert-Butylbenzene	ND		ug/kg	7.1	0.42	1
Isopropylbenzene	ND		ug/kg	3.5	0.39	1
p-Isopropyltoluene	ND		ug/kg	3.5	0.39	1
Naphthalene	ND		ug/kg	14	2.3	1
n-Propylbenzene	ND		ug/kg	3.5	0.61	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.1	0.68	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.1	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	134	Q	70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	156	Q	70-130
Dibromofluoromethane	121		70-130

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-02
 Client ID: DB-2 (10')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 09:50
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 14:13
 Analyst: AJK
 Percent Solids: 61%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	1.1	0.38	1
Toluene	ND		ug/kg	2.3	1.2	1
Ethylbenzene	ND		ug/kg	2.3	0.32	1
p/m-Xylene	ND		ug/kg	4.5	1.3	1
o-Xylene	ND		ug/kg	2.3	0.66	1
Xylenes, Total	ND		ug/kg	2.3	0.66	1
n-Butylbenzene	ND		ug/kg	2.3	0.38	1
sec-Butylbenzene	ND		ug/kg	2.3	0.33	1
tert-Butylbenzene	0.76	J	ug/kg	4.5	0.27	1
Isopropylbenzene	ND		ug/kg	2.3	0.25	1
p-Isopropyltoluene	ND		ug/kg	2.3	0.25	1
Naphthalene	ND		ug/kg	9.0	1.5	1
n-Propylbenzene	ND		ug/kg	2.3	0.39	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.5	0.44	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.5	0.76	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	107		70-130

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-03
 Client ID: DB-2 (15')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 09:55
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 14:38
 Analyst: AJK
 Percent Solids: 34%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	48		ug/kg	2.7	0.90	1
Toluene	ND		ug/kg	5.4	2.9	1
Ethylbenzene	ND		ug/kg	5.4	0.76	1
p/m-Xylene	ND		ug/kg	11	3.0	1
o-Xylene	ND		ug/kg	5.4	1.6	1
Xylenes, Total	ND		ug/kg	5.4	1.6	1
n-Butylbenzene	ND		ug/kg	5.4	0.90	1
sec-Butylbenzene	ND		ug/kg	5.4	0.79	1
tert-Butylbenzene	ND		ug/kg	11	0.64	1
Isopropylbenzene	ND		ug/kg	5.4	0.59	1
p-Isopropyltoluene	ND		ug/kg	5.4	0.59	1
Naphthalene	ND		ug/kg	22	3.5	1
n-Propylbenzene	ND		ug/kg	5.4	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	11	1.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	11	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	111		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-04
 Client ID: DB-2 (20')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 10:00
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 15:03
 Analyst: AJK
 Percent Solids: 33%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	7.9		ug/kg	2.1	0.70	1
Toluene	5.8		ug/kg	4.2	2.3	1
Ethylbenzene	1.7	J	ug/kg	4.2	0.60	1
p/m-Xylene	24		ug/kg	8.5	2.4	1
o-Xylene	4.4		ug/kg	4.2	1.2	1
Xylenes, Total	28		ug/kg	4.2	1.2	1
n-Butylbenzene	ND		ug/kg	4.2	0.71	1
sec-Butylbenzene	4.7		ug/kg	4.2	0.62	1
tert-Butylbenzene	3.3	J	ug/kg	8.5	0.50	1
Isopropylbenzene	3.9	J	ug/kg	4.2	0.46	1
p-Isopropyltoluene	0.90	J	ug/kg	4.2	0.46	1
Naphthalene	3.2	J	ug/kg	17	2.8	1
n-Propylbenzene	1.1	J	ug/kg	4.2	0.72	1
1,3,5-Trimethylbenzene	11		ug/kg	8.5	0.82	1
1,2,4-Trimethylbenzene	19		ug/kg	8.5	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	108		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-05
 Client ID: DB-3 (5')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 10:15
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 15:29
 Analyst: AJK
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.74	0.25	1
Toluene	ND		ug/kg	1.5	0.80	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
p/m-Xylene	ND		ug/kg	3.0	0.83	1
o-Xylene	ND		ug/kg	1.5	0.43	1
Xylenes, Total	ND		ug/kg	1.5	0.43	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	5.9	0.96	1
n-Propylbenzene	ND		ug/kg	1.5	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	72		70-130

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-06
 Client ID: DB-3 (10')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 10:20
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 15:54
 Analyst: AJK
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	0.93	J	ug/kg	5.2	0.84	1
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	112		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-07
 Client ID: DB-3 (15')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 10:25
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 16:19
 Analyst: AJK
 Percent Solids: 41%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	1.2	J	ug/kg	2.6	0.87	1
Toluene	6.7		ug/kg	5.2	2.8	1
Ethylbenzene	ND		ug/kg	5.2	0.74	1
p/m-Xylene	ND		ug/kg	10	2.9	1
o-Xylene	ND		ug/kg	5.2	1.5	1
Xylenes, Total	ND		ug/kg	5.2	1.5	1
n-Butylbenzene	ND		ug/kg	5.2	0.87	1
sec-Butylbenzene	ND		ug/kg	5.2	0.76	1
tert-Butylbenzene	ND		ug/kg	10	0.62	1
Isopropylbenzene	ND		ug/kg	5.2	0.57	1
p-Isopropyltoluene	ND		ug/kg	5.2	0.57	1
Naphthalene	ND		ug/kg	21	3.4	1
n-Propylbenzene	ND		ug/kg	5.2	0.90	1
1,3,5-Trimethylbenzene	ND		ug/kg	10	1.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	10	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	113		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-08
 Client ID: DB-3 (20')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 10:30
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 16:45
 Analyst: AJK
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	5.2		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
p/m-Xylene	1.5	J	ug/kg	2.1	0.58	1
o-Xylene	1.4		ug/kg	1.0	0.30	1
Xylenes, Total	2.9	J	ug/kg	1.0	0.30	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
Isopropylbenzene	0.14	J	ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	4.1		ug/kg	4.1	0.67	1
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,3,5-Trimethylbenzene	0.39	J	ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	1.0	J	ug/kg	2.1	0.34	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	110		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-09
 Client ID: DB-4 (5')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:00
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 17:10
 Analyst: AJK
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.69	0.23	1
Toluene	ND		ug/kg	1.4	0.75	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
p/m-Xylene	ND		ug/kg	2.8	0.77	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.90	1
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	111		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-10
 Client ID: DB-4 (10')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:05
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 17:36
 Analyst: AJK
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.76	0.25	1
Toluene	ND		ug/kg	1.5	0.83	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
p/m-Xylene	ND		ug/kg	3.0	0.85	1
o-Xylene	ND		ug/kg	1.5	0.44	1
Xylenes, Total	ND		ug/kg	1.5	0.44	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
Isopropylbenzene	ND		ug/kg	1.5	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.17	1
Naphthalene	ND		ug/kg	6.1	0.99	1
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	114		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-11
 Client ID: DB-4 (15')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:10
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 18:01
 Analyst: AJK
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.69	0.23	1
Toluene	ND		ug/kg	1.4	0.75	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
p/m-Xylene	ND		ug/kg	2.8	0.78	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.90	1
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	114		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-12
 Client ID: DB-4 (20')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:15
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/31/24 17:40
 Analyst: JIC
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	2.1		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
p/m-Xylene	1.8	J	ug/kg	2.2	0.61	1
o-Xylene	1.1		ug/kg	1.1	0.32	1
Xylenes, Total	2.9	J	ug/kg	1.1	0.32	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
Isopropylbenzene	0.26	J	ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.12	J	ug/kg	1.1	0.12	1
Naphthalene	6.4		ug/kg	4.4	0.71	1
n-Propylbenzene	0.20	J	ug/kg	1.1	0.19	1
1,3,5-Trimethylbenzene	0.38	J	ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	0.98	J	ug/kg	2.2	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	112		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-13
 Client ID: DB-5 (5')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:40
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 14:44
 Analyst: AJK
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-14
 Client ID: DB-5 (10')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:45
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 15:05
 Analyst: AJK
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
p/m-Xylene	0.61	J	ug/kg	2.2	0.60	1
o-Xylene	0.76	J	ug/kg	1.1	0.31	1
Xylenes, Total	1.4	J	ug/kg	1.1	0.31	1
n-Butylbenzene	5.8		ug/kg	1.1	0.18	1
sec-Butylbenzene	11		ug/kg	1.1	0.16	1
tert-Butylbenzene	1.5	J	ug/kg	2.2	0.13	1
Isopropylbenzene	4.1		ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.24	J	ug/kg	1.1	0.12	1
Naphthalene	4.5		ug/kg	4.3	0.70	1
n-Propylbenzene	4.9		ug/kg	1.1	0.18	1
1,3,5-Trimethylbenzene	0.29	J	ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	581	Q	70-130
Dibromofluoromethane	88		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-15
 Client ID: DB-5 (15')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:50
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 15:26
 Analyst: AJK
 Percent Solids: 37%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	59		ug/kg	1.4	0.47	1
Toluene	14		ug/kg	2.8	1.5	1
Ethylbenzene	16		ug/kg	2.8	0.40	1
p/m-Xylene	62		ug/kg	5.7	1.6	1
o-Xylene	35		ug/kg	2.8	0.83	1
Xylenes, Total	97		ug/kg	2.8	0.83	1
n-Butylbenzene	ND		ug/kg	2.8	0.47	1
sec-Butylbenzene	2.3	J	ug/kg	2.8	0.41	1
tert-Butylbenzene	1.0	J	ug/kg	5.7	0.33	1
Isopropylbenzene	10		ug/kg	2.8	0.31	1
p-Isopropyltoluene	1.7	J	ug/kg	2.8	0.31	1
Naphthalene	ND		ug/kg	11	1.8	1
n-Propylbenzene	3.3		ug/kg	2.8	0.48	1
1,3,5-Trimethylbenzene	12		ug/kg	5.7	0.55	1
1,2,4-Trimethylbenzene	16		ug/kg	5.7	0.95	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	87		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-16
 Client ID: DB-5 (20')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:55
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 15:47
 Analyst: AJK
 Percent Solids: 37%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	1.4	0.46	1
Toluene	ND		ug/kg	2.8	1.5	1
Ethylbenzene	ND		ug/kg	2.8	0.39	1
p/m-Xylene	ND		ug/kg	5.6	1.6	1
o-Xylene	ND		ug/kg	2.8	0.81	1
Xylenes, Total	ND		ug/kg	2.8	0.81	1
n-Butylbenzene	ND		ug/kg	2.8	0.46	1
sec-Butylbenzene	ND		ug/kg	2.8	0.41	1
tert-Butylbenzene	ND		ug/kg	5.6	0.33	1
Isopropylbenzene	ND		ug/kg	2.8	0.30	1
p-Isopropyltoluene	ND		ug/kg	2.8	0.30	1
Naphthalene	ND		ug/kg	11	1.8	1
n-Propylbenzene	ND		ug/kg	2.8	0.48	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.54	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-17
 Client ID: DB-6 (5')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 12:00
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 16:08
 Analyst: AJK
 Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.65	0.22	1
Toluene	ND		ug/kg	1.3	0.71	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
p/m-Xylene	ND		ug/kg	2.6	0.73	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.85	1
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	111		70-130

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-18
 Client ID: DB-6 (10')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 12:05
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 16:29
 Analyst: AJK
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.40	J	ug/kg	0.72	0.24	1
Toluene	ND		ug/kg	1.4	0.78	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
p/m-Xylene	1.2	J	ug/kg	2.9	0.81	1
o-Xylene	ND		ug/kg	1.4	0.42	1
Xylenes, Total	1.2	J	ug/kg	1.4	0.42	1
n-Butylbenzene	ND		ug/kg	1.4	0.24	1
sec-Butylbenzene	0.75	J	ug/kg	1.4	0.21	1
tert-Butylbenzene	3.9		ug/kg	2.9	0.17	1
Isopropylbenzene	0.16	J	ug/kg	1.4	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.16	1
Naphthalene	2.7	J	ug/kg	5.8	0.94	1
n-Propylbenzene	ND		ug/kg	1.4	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	0.57	J	ug/kg	2.9	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	156	Q	70-130
Dibromofluoromethane	99		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-19
 Client ID: DB-6 (15')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 12:10
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 18:36
 Analyst: AJK
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	180		ug/kg	30	9.8	1
Toluene	120		ug/kg	59	32.	1
Ethylbenzene	720		ug/kg	59	8.4	1
p/m-Xylene	590		ug/kg	120	33.	1
o-Xylene	130		ug/kg	59	17.	1
Xylenes, Total	720		ug/kg	59	17.	1
n-Butylbenzene	5400		ug/kg	59	9.9	1
sec-Butylbenzene	4000		ug/kg	59	8.6	1
tert-Butylbenzene	500		ug/kg	120	7.0	1
Isopropylbenzene	4900		ug/kg	59	6.5	1
p-Isopropyltoluene	3500		ug/kg	59	6.5	1
Naphthalene	1900		ug/kg	240	38.	1
n-Propylbenzene	7700		ug/kg	59	10.	1
1,3,5-Trimethylbenzene	220		ug/kg	120	11.	1
1,2,4-Trimethylbenzene	140		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	70		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	379	Q	70-130
Dibromofluoromethane	70		70-130

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-20
 Client ID: DB-6 (20')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 12:15
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 16:50
 Analyst: AJK
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.80	1
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-21
 Client ID: DB-7 (5')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 13:20
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 17:11
 Analyst: AJK
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-22
 Client ID: DB-7 (10')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 13:25
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 04/01/24 10:09
 Analyst: AJK
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.20	J	ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	2.0		ug/kg	1.0	0.15	1
tert-Butylbenzene	3.2		ug/kg	2.1	0.12	1
Isopropylbenzene	4.2		ug/kg	1.0	0.11	1
p-Isopropyltoluene	0.24	J	ug/kg	1.0	0.11	1
Naphthalene	0.77	J	ug/kg	4.1	0.67	1
n-Propylbenzene	1.0		ug/kg	1.0	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	127		70-130
Dibromofluoromethane	96		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-23
 Client ID: DB-7 (15')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 13:30
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 17:54
 Analyst: AJK
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	0.14	J	ug/kg	2.4	0.14	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-24
 Client ID: DB-7 (20')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 13:35
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/30/24 18:15
 Analyst: AJK
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/30/24 10:44
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-11 Batch: WG1903230-5					
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/30/24 14:23
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 13-18,20-21,23-24 Batch: WG1903265-5					
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	108		70-130

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/30/24 14:23
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 19 Batch: WG1903266-5					
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	108		70-130

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/31/24 16:24
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,12 Batch: WG1903298-5					
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	111		70-130

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/01/24 09:43
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 22 Batch: WG1903389-5					
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-11 Batch: WG1903230-3 WG1903230-4								
Benzene	109		97		70-130	12		30
Toluene	102		92		70-130	10		30
Ethylbenzene	106		96		70-130	10		30
p/m-Xylene	110		99		70-130	11		30
o-Xylene	105		96		70-130	9		30
n-Butylbenzene	112		100		70-130	11		30
sec-Butylbenzene	108		96		70-130	12		30
tert-Butylbenzene	106		95		70-130	11		30
Isopropylbenzene	104		94		70-130	10		30
p-Isopropyltoluene	110		98		70-130	12		30
Naphthalene	92		91		70-130	1		30
n-Propylbenzene	104		93		70-130	11		30
1,3,5-Trimethylbenzene	104		94		70-130	10		30
1,2,4-Trimethylbenzene	103		93		70-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		112		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 13-18,20-21,23-24 Batch: WG1903265-3 WG1903265-4								
Benzene	93		92		70-130	1		30
Toluene	89		89		70-130	0		30
Ethylbenzene	88		91		70-130	3		30
p/m-Xylene	93		95		70-130	2		30
o-Xylene	93		96		70-130	3		30
n-Butylbenzene	86		90		70-130	5		30
sec-Butylbenzene	87		89		70-130	2		30
tert-Butylbenzene	87		89		70-130	2		30
Isopropylbenzene	89		89		70-130	0		30
p-Isopropyltoluene	89		91		70-130	2		30
Naphthalene	85		96		70-130	12		30
n-Propylbenzene	86		89		70-130	3		30
1,3,5-Trimethylbenzene	88		92		70-130	4		30
1,2,4-Trimethylbenzene	91		94		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	95		97		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	95		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 19 Batch: WG1903266-3 WG1903266-4								
Benzene	93		92		70-130	1		30
Toluene	89		89		70-130	0		30
Ethylbenzene	88		91		70-130	3		30
p/m-Xylene	93		95		70-130	2		30
o-Xylene	93		96		70-130	3		30
n-Butylbenzene	86		90		70-130	5		30
sec-Butylbenzene	87		89		70-130	2		30
tert-Butylbenzene	87		89		70-130	2		30
Isopropylbenzene	89		89		70-130	0		30
p-Isopropyltoluene	89		91		70-130	2		30
Naphthalene	85		96		70-130	12		30
n-Propylbenzene	86		89		70-130	3		30
1,3,5-Trimethylbenzene	88		92		70-130	4		30
1,2,4-Trimethylbenzene	91		94		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	95		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,12 Batch: WG1903298-3 WG1903298-4								
Benzene	104		102		70-130	2		30
Toluene	96		95		70-130	1		30
Ethylbenzene	100		98		70-130	2		30
p/m-Xylene	103		103		70-130	0		30
o-Xylene	101		100		70-130	1		30
n-Butylbenzene	101		101		70-130	0		30
sec-Butylbenzene	97		98		70-130	1		30
tert-Butylbenzene	96		96		70-130	0		30
Isopropylbenzene	94		93		70-130	1		30
p-Isopropyltoluene	100		100		70-130	0		30
Naphthalene	94		94		70-130	0		30
n-Propylbenzene	94		94		70-130	0		30
1,3,5-Trimethylbenzene	96		95		70-130	1		30
1,2,4-Trimethylbenzene	95		95		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	124		120		70-130
Toluene-d8	94		96		70-130
4-Bromofluorobenzene	97		94		70-130
Dibromofluoromethane	109		109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 22 Batch: WG1903389-3 WG1903389-4								
Benzene	105		97		70-130	8		30
Toluene	105		95		70-130	10		30
Ethylbenzene	107		97		70-130	10		30
p/m-Xylene	109		99		70-130	10		30
o-Xylene	106		98		70-130	8		30
n-Butylbenzene	116		106		70-130	9		30
sec-Butylbenzene	110		100		70-130	10		30
tert-Butylbenzene	106		97		70-130	9		30
Isopropylbenzene	109		99		70-130	10		30
p-Isopropyltoluene	106		97		70-130	9		30
Naphthalene	101		100		70-130	1		30
n-Propylbenzene	112		102		70-130	9		30
1,3,5-Trimethylbenzene	106		98		70-130	8		30
1,2,4-Trimethylbenzene	106		99		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		107		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	99		101		70-130

SEMIVOLATILES

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-01
 Client ID: DB-2 (5')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 09:45
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 18:10
 Analyst: CMM
 Percent Solids: 94%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	68	J	ug/kg	140	18.	1
Fluoranthene	1300		ug/kg	110	20.	1
Benzo(a)anthracene	710		ug/kg	110	20.	1
Benzo(a)pyrene	610		ug/kg	140	43.	1
Benzo(b)fluoranthene	710		ug/kg	110	30.	1
Benzo(k)fluoranthene	270		ug/kg	110	28.	1
Chrysene	690		ug/kg	110	18.	1
Acenaphthylene	450		ug/kg	140	27.	1
Anthracene	310		ug/kg	110	34.	1
Benzo(ghi)perylene	390		ug/kg	140	21.	1
Fluorene	81	J	ug/kg	180	17.	1
Phenanthrene	850		ug/kg	110	21.	1
Dibenzo(a,h)anthracene	93	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	350		ug/kg	140	25.	1
Pyrene	1300		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	53		30-120
4-Terphenyl-d14	50		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-02
 Client ID: DB-2 (10')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 09:50
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 18:34
 Analyst: CMM
 Percent Solids: 61%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	620	81.	1
Fluoranthene	ND		ug/kg	470	89.	1
Benzo(a)anthracene	ND		ug/kg	470	88.	1
Benzo(a)pyrene	ND		ug/kg	620	190	1
Benzo(b)fluoranthene	ND		ug/kg	470	130	1
Benzo(k)fluoranthene	ND		ug/kg	470	120	1
Chrysene	ND		ug/kg	470	81.	1
Acenaphthylene	ND		ug/kg	620	120	1
Anthracene	ND		ug/kg	470	150	1
Benzo(ghi)perylene	ND		ug/kg	620	92.	1
Fluorene	ND		ug/kg	780	76.	1
Phenanthrene	ND		ug/kg	470	95.	1
Dibenzo(a,h)anthracene	ND		ug/kg	470	90.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	620	110	1
Pyrene	ND		ug/kg	470	77.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	55		30-120
4-Terphenyl-d14	49		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-03
 Client ID: DB-2 (15')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 09:55
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 18:58
 Analyst: CMM
 Percent Solids: 34%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1200	150	1
Fluoranthene	ND		ug/kg	860	160	1
Benzo(a)anthracene	ND		ug/kg	860	160	1
Benzo(a)pyrene	ND		ug/kg	1200	350	1
Benzo(b)fluoranthene	ND		ug/kg	860	240	1
Benzo(k)fluoranthene	ND		ug/kg	860	230	1
Chrysene	ND		ug/kg	860	150	1
Acenaphthylene	ND		ug/kg	1200	220	1
Anthracene	ND		ug/kg	860	280	1
Benzo(ghi)perylene	ND		ug/kg	1200	170	1
Fluorene	ND		ug/kg	1400	140	1
Phenanthrene	ND		ug/kg	860	170	1
Dibenzo(a,h)anthracene	ND		ug/kg	860	170	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	1200	200	1
Pyrene	ND		ug/kg	860	140	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	56		30-120
4-Terphenyl-d14	53		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-04
 Client ID: DB-2 (20')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 10:00
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 19:22
 Analyst: CMM
 Percent Solids: 33%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	400	52.	1
Fluoranthene	ND		ug/kg	300	58.	1
Benzo(a)anthracene	ND		ug/kg	300	56.	1
Benzo(a)pyrene	ND		ug/kg	400	120	1
Benzo(b)fluoranthene	ND		ug/kg	300	85.	1
Benzo(k)fluoranthene	ND		ug/kg	300	80.	1
Chrysene	ND		ug/kg	300	52.	1
Acenaphthylene	ND		ug/kg	400	78.	1
Anthracene	ND		ug/kg	300	98.	1
Benzo(ghi)perylene	ND		ug/kg	400	59.	1
Fluorene	ND		ug/kg	500	49.	1
Phenanthrene	ND		ug/kg	300	61.	1
Dibenzo(a,h)anthracene	ND		ug/kg	300	58.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	400	70.	1
Pyrene	ND		ug/kg	300	50.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	53		30-120
4-Terphenyl-d14	52		18-120

Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-05 D2

Client ID: DB-3 (5')

Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 10:15

Date Received: 03/29/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8270E

Analytical Date: 04/01/24 14:13

Analyst: IM

Percent Solids: 93%

Extraction Method: EPA 3546

Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	200000		ug/kg	5300	1000	50
Benzo(a)anthracene	76000		ug/kg	5300	990	50
Benzo(a)pyrene	75000		ug/kg	7100	2200	50
Benzo(b)fluoranthene	90000		ug/kg	5300	1500	50
Chrysene	74000		ug/kg	5300	920	50
Phenanthrene	220000		ug/kg	5300	1100	50
Pyrene	180000		ug/kg	5300	880	50

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-05 D

Date Collected: 03/29/24 10:15

Client ID: DB-3 (5')

Date Received: 03/29/24

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270E

Extraction Date: 03/30/24 04:14

Analytical Date: 04/01/24 13:02

Analyst: IM

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	17000		ug/kg	710	91.	5
Fluoranthene	100000	E	ug/kg	530	100	5
Benzo(a)anthracene	56000	E	ug/kg	530	99.	5
Benzo(a)pyrene	55000	E	ug/kg	710	220	5
Benzo(b)fluoranthene	70000	E	ug/kg	530	150	5
Benzo(k)fluoranthene	14000		ug/kg	530	140	5
Chrysene	47000	E	ug/kg	530	92.	5
Acenaphthylene	3300		ug/kg	710	140	5
Anthracene	32000		ug/kg	530	170	5
Benzo(ghi)perylene	34000		ug/kg	710	100	5
Fluorene	17000		ug/kg	880	86.	5
Phenanthrene	110000	E	ug/kg	530	110	5
Dibenzo(a,h)anthracene	12000		ug/kg	530	100	5
Indeno(1,2,3-cd)pyrene	28000		ug/kg	710	120	5
Pyrene	94000	E	ug/kg	530	88.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	50		30-120
4-Terphenyl-d14	62		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-06
 Client ID: DB-3 (10')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 10:20
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 16:08
 Analyst: CMM
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	380		ug/kg	120	23.	1
Benzo(a)anthracene	190		ug/kg	120	22.	1
Benzo(a)pyrene	220		ug/kg	160	48.	1
Benzo(b)fluoranthene	280		ug/kg	120	33.	1
Benzo(k)fluoranthene	76	J	ug/kg	120	32.	1
Chrysene	240		ug/kg	120	20.	1
Acenaphthylene	46	J	ug/kg	160	30.	1
Anthracene	49	J	ug/kg	120	38.	1
Benzo(ghi)perylene	110	J	ug/kg	160	23.	1
Fluorene	23	J	ug/kg	200	19.	1
Phenanthrene	300		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	25	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	160	27.	1
Pyrene	390		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	71		30-120
4-Terphenyl-d14	65		18-120

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-07
 Client ID: DB-3 (15')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 10:25
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 20:09
 Analyst: CMM
 Percent Solids: 41%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	320	42.	1
Fluoranthene	100	J	ug/kg	240	46.	1
Benzo(a)anthracene	56	J	ug/kg	240	46.	1
Benzo(a)pyrene	ND		ug/kg	320	99.	1
Benzo(b)fluoranthene	ND		ug/kg	240	68.	1
Benzo(k)fluoranthene	ND		ug/kg	240	65.	1
Chrysene	45	J	ug/kg	240	42.	1
Acenaphthylene	ND		ug/kg	320	62.	1
Anthracene	ND		ug/kg	240	79.	1
Benzo(ghi)perylene	62	J	ug/kg	320	48.	1
Fluorene	ND		ug/kg	400	39.	1
Phenanthrene	160	J	ug/kg	240	49.	1
Dibenzo(a,h)anthracene	ND		ug/kg	240	47.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	320	56.	1
Pyrene	91	J	ug/kg	240	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	48		30-120
4-Terphenyl-d14	48		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-08
 Client ID: DB-3 (20')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 10:30
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 11:04
 Analyst: EK
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	ND		ug/kg	110	22.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	81		30-120
4-Terphenyl-d14	70		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-09
 Client ID: DB-4 (5')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:00
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 11:28
 Analyst: EK
 Percent Solids: 95%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	18	J	ug/kg	140	18.	1
Fluoranthene	300		ug/kg	100	20.	1
Benzo(a)anthracene	140		ug/kg	100	19.	1
Benzo(a)pyrene	130	J	ug/kg	140	42.	1
Benzo(b)fluoranthene	150		ug/kg	100	29.	1
Benzo(k)fluoranthene	55	J	ug/kg	100	27.	1
Chrysene	140		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	45	J	ug/kg	100	33.	1
Benzo(ghi)perylene	78	J	ug/kg	140	20.	1
Fluorene	17	J	ug/kg	170	17.	1
Phenanthrene	180		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	73	J	ug/kg	140	24.	1
Pyrene	270		ug/kg	100	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	64		30-120
4-Terphenyl-d14	56		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-10
 Client ID: DB-4 (10')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:05
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 11:51
 Analyst: EK
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	710		ug/kg	160	21.	1
Fluoranthene	5100		ug/kg	120	23.	1
Benzo(a)anthracene	2300		ug/kg	120	23.	1
Benzo(a)pyrene	2000		ug/kg	160	49.	1
Benzo(b)fluoranthene	2300		ug/kg	120	34.	1
Benzo(k)fluoranthene	820		ug/kg	120	32.	1
Chrysene	2200		ug/kg	120	21.	1
Acenaphthylene	100	J	ug/kg	160	31.	1
Anthracene	1300		ug/kg	120	39.	1
Benzo(ghi)perylene	1000		ug/kg	160	24.	1
Fluorene	670		ug/kg	200	20.	1
Phenanthrene	5100		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	260		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	160	28.	1
Pyrene	4900		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	92		30-120
4-Terphenyl-d14	78		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-11
 Client ID: DB-4 (15')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:10
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 12:14
 Analyst: EK
 Percent Solids: 75%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	750		ug/kg	170	22.	1
Fluoranthene	5100		ug/kg	130	25.	1
Benzo(a)anthracene	2300		ug/kg	130	24.	1
Benzo(a)pyrene	2100		ug/kg	170	53.	1
Benzo(b)fluoranthene	2400		ug/kg	130	37.	1
Benzo(k)fluoranthene	840		ug/kg	130	35.	1
Chrysene	2300		ug/kg	130	23.	1
Acenaphthylene	220		ug/kg	170	34.	1
Anthracene	1100		ug/kg	130	42.	1
Benzo(ghi)perylene	1100		ug/kg	170	26.	1
Fluorene	680		ug/kg	220	21.	1
Phenanthrene	5100		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	260		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	170	30.	1
Pyrene	5000		ug/kg	130	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	84		30-120
4-Terphenyl-d14	65		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-12
 Client ID: DB-4 (20')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:15
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 12:38
 Analyst: EK
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	42	J	ug/kg	120	22.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	45	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	36	J	ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	89		30-120
4-Terphenyl-d14	77		18-120

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-13
 Client ID: DB-5 (5')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:40
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 13:01
 Analyst: EK
 Percent Solids: 95%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Fluoranthene	ND		ug/kg	100	20.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	77		30-120
4-Terphenyl-d14	68		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-14
 Client ID: DB-5 (10')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:45
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 13:25
 Analyst: EK
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	23	J	ug/kg	120	23.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	21	J	ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	86		30-120
4-Terphenyl-d14	75		18-120

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-15
 Client ID: DB-5 (15')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 11:50
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 13:48
 Analyst: EK
 Percent Solids: 37%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	990	130	1
Fluoranthene	ND		ug/kg	740	140	1
Benzo(a)anthracene	ND		ug/kg	740	140	1
Benzo(a)pyrene	ND		ug/kg	990	300	1
Benzo(b)fluoranthene	ND		ug/kg	740	210	1
Benzo(k)fluoranthene	ND		ug/kg	740	200	1
Chrysene	ND		ug/kg	740	130	1
Acenaphthylene	ND		ug/kg	990	190	1
Anthracene	ND		ug/kg	740	240	1
Benzo(ghi)perylene	ND		ug/kg	990	140	1
Fluorene	ND		ug/kg	1200	120	1
Phenanthrene	ND		ug/kg	740	150	1
Dibenzo(a,h)anthracene	ND		ug/kg	740	140	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	990	170	1
Pyrene	ND		ug/kg	740	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	64		30-120
4-Terphenyl-d14	55		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-17
 Client ID: DB-6 (5')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 12:00
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 14:11
 Analyst: EK
 Percent Solids: 94%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Fluoranthene	ND		ug/kg	100	20.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	89		30-120
4-Terphenyl-d14	82		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-18
 Client ID: DB-6 (10')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 12:05
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 14:35
 Analyst: EK
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	67		30-120
4-Terphenyl-d14	62		18-120

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-19
 Client ID: DB-6 (15')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 12:10
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 14:58
 Analyst: CMM
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	68		30-120
4-Terphenyl-d14	64		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-20
 Client ID: DB-6 (20')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 12:15
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 15:21
 Analyst: CMM
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	ND		ug/kg	120	24.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	74		30-120
4-Terphenyl-d14	62		18-120

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-21
 Client ID: DB-7 (5')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 13:20
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 15:45
 Analyst: CMM
 Percent Solids: 96%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Fluoranthene	ND		ug/kg	100	20.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	72		30-120
4-Terphenyl-d14	67		18-120

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-22
 Client ID: DB-7 (10')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 13:25
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 16:00
 Analyst: EK
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 05:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	ND		ug/kg	120	23.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	46		30-120
4-Terphenyl-d14	52		18-120

Project Name: 318 NEVINS

Lab Number: L2417344

Project Number: 15977

Report Date: 04/02/24

SAMPLE RESULTS

Lab ID: L2417344-23
 Client ID: DB-7 (15')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 13:30
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 16:24
 Analyst: EK
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 05:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	76	J	ug/kg	120	23.	1
Benzo(a)anthracene	38	J	ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	44	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	36	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	37	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	60	J	ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	65		30-120
4-Terphenyl-d14	64		18-120

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**SAMPLE RESULTS**

Lab ID: L2417344-24
 Client ID: DB-7 (20')
 Sample Location: BROOKLYN, NY

Date Collected: 03/29/24 13:35
 Date Received: 03/29/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/31/24 16:47
 Analyst: CMM
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 05:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	ND		ug/kg	120	22.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	70		30-120
4-Terphenyl-d14	75		18-120

Project Name: 318 NEVINS
Project Number: 15977

Lab Number: L2417344
Report Date: 04/02/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/31/24 16:11
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/30/24 04:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-15,17-21 Batch: WG1902763-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	98	19.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	70		30-120
4-Terphenyl-d14	75		18-120

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 03/31/24 12:52
 Analyst: EK

Extraction Method: EPA 3546
 Extraction Date: 03/30/24 05:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 22-24 Batch: WG1902764-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	98	19.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	65		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-15,17-21 Batch: WG1902763-2 WG1902763-3								
Acenaphthene	64		66		31-137	3		50
Fluoranthene	69		69		40-140	0		50
Benzo(a)anthracene	67		67		40-140	0		50
Benzo(a)pyrene	74		72		40-140	3		50
Benzo(b)fluoranthene	71		70		40-140	1		50
Benzo(k)fluoranthene	71		71		40-140	0		50
Chrysene	63		64		40-140	2		50
Acenaphthylene	67		68		40-140	1		50
Anthracene	66		69		40-140	4		50
Benzo(ghi)perylene	71		72		40-140	1		50
Fluorene	65		67		40-140	3		50
Phenanthrene	64		66		40-140	3		50
Dibenzo(a,h)anthracene	70		72		40-140	3		50
Indeno(1,2,3-cd)pyrene	71		73		40-140	3		50
Pyrene	68		68		35-142	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	65		67		23-120
2-Fluorobiphenyl	66		69		30-120
4-Terphenyl-d14	68		70		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 318 NEVINS

Project Number: 15977

Lab Number: L2417344

Report Date: 04/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 22-24 Batch: WG1902764-2 WG1902764-3								
Acenaphthene	65		68		31-137	5		50
Fluoranthene	69		72		40-140	4		50
Benzo(a)anthracene	67		70		40-140	4		50
Benzo(a)pyrene	68		71		40-140	4		50
Benzo(b)fluoranthene	67		71		40-140	6		50
Benzo(k)fluoranthene	64		68		40-140	6		50
Chrysene	63		67		40-140	6		50
Acenaphthylene	63		65		40-140	3		50
Anthracene	66		69		40-140	4		50
Benzo(ghi)perylene	65		70		40-140	7		50
Fluorene	65		68		40-140	5		50
Phenanthrene	63		66		40-140	5		50
Dibenzo(a,h)anthracene	66		71		40-140	7		50
Indeno(1,2,3-cd)pyrene	69		73		40-140	6		50
Pyrene	69		73		35-142	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		75		25-120
Phenol-d6	72		73		10-120
Nitrobenzene-d5	71		70		23-120
2-Fluorobiphenyl	62		63		30-120
2,4,6-Tribromophenol	67		69		10-136
4-Terphenyl-d14	67		70		18-120

INORGANICS & MISCELLANEOUS

Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-01**Client ID:** DB-2 (5')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 09:45**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	94.0		%	0.100	NA	1	-	03/30/24 06:42	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-02**Client ID:** DB-2 (10')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 09:50**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	61.0		%	0.100	NA	1	-	03/30/24 06:42	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-03**Client ID:** DB-2 (15')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 09:55**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	34.1		%	0.100	NA	1	-	03/30/24 06:42	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-04**Client ID:** DB-2 (20')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 10:00**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	32.9		%	0.100	NA	1	-	03/30/24 09:22	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-05**Client ID:** DB-3 (5')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 10:15**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	92.9		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-06**Client ID:** DB-3 (10')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 10:20**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-07**Client ID:** DB-3 (15')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 10:25**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	41.0		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-08**Client ID:** DB-3 (20')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 10:30**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-09**Client ID:** DB-4 (5')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 11:00**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	03/30/24 06:42	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-10**Client ID:** DB-4 (10')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 11:05**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	80.2		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-11**Client ID:** DB-4 (15')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 11:10**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	74.8		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-12**Client ID:** DB-4 (20')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 11:15**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-13**Client ID:** DB-5 (5')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 11:40**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-14**Client ID:** DB-5 (10')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 11:45**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	82.1		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-15**Client ID:** DB-5 (15')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 11:50**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	37.0		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-16**Client ID:** DB-5 (20')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 11:55**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	37.0		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-17**Client ID:** DB-6 (5')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 12:00**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	94.4		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-18**Client ID:** DB-6 (10')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 12:05**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-19**Client ID:** DB-6 (15')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 12:10**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-20**Client ID:** DB-6 (20')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 12:15**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	80.4		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-21**Client ID:** DB-7 (5')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 13:20**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	96.4		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-22**Client ID:** DB-7 (10')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 13:25**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-23**Client ID:** DB-7 (15')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 13:30**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	82.3		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS**Project Number:** 15977**Lab Number:** L2417344**Report Date:** 04/02/24**SAMPLE RESULTS****Lab ID:** L2417344-24**Client ID:** DB-7 (20')**Sample Location:** BROOKLYN, NY**Date Collected:** 03/29/24 13:35**Date Received:** 03/29/24**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 - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	03/30/24 06:54	121,2540G	ROI



Project Name: 318 NEVINS
Project Number: 15977

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2417344
Report Date: 04/02/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,09 QC Batch ID: WG1902783-1 QC Sample: L2417426-01 Client ID: DUP Sample						
Solids, Total	92.2	92.6	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 05-08,10-24 QC Batch ID: WG1902785-1 QC Sample: L2417344-05 Client ID: DB-3 (5')						
Solids, Total	92.9	93.5	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1902821-1 QC Sample: L2416694-01 Client ID: DUP Sample						
Solids, Total	85.7	86.6	%	1		20

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**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(*)
L2417344-01A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-01B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-01C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-01D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-01X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-01Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-01Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-02A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-02B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-02C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-02D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-02X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-02Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-02Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-03A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-03B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-03C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-03D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-03X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-03Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-03Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-04A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-04B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2417344-04C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-04D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-04X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-04Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-04Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-05A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-05B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-05C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-05D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-05X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-05Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-05Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-06A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-06B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-06C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-06D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-06X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-06Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-06Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-07A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-07B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-07C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-07D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-07X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-07Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-07Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-08A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-08B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2417344-08C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-08D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-08X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-08Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-08Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-09A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-09B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-09C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-09D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-09X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-09Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-09Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-10A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-10B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-10C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-10D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-10X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-10Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-10Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-11A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-11B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-11C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-11D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		ARCHIVE()
L2417344-11E	Glass 250ml unpreserved split	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-11X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-11Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-11Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-12A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2417344-12B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-12C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-12D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-12X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-12Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-12Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 07:34	NYCP51-8260HLW(14)
L2417344-13A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-13B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-13C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-13D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-13X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-13Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-13Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-14A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-14B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-14C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-14D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-14X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-14Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-14Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-15A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-15B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-15C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-15D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-15X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-15Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-15Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-16A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2417344-16B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-16C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-16D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		ARCHIVE()
L2417344-16X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-16Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-16Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-17A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-17B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-17C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-17D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-17X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-17Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-17Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-18A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-18B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-18C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-18D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-18X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-18Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-18Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-19A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-19B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-19C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-19D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-19X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-19Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-19Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-20A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)

Project Name: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2417344-20B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-20C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-20D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-20X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-20Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-20Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-21A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-21B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-21C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-21D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-21X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-21Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-21Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-22A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-22B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-22C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-22D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-22X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-22Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-22Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-23A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-23B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-23C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-23D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-23X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-23Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-23Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-24A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)

Project Name: 318 NEVINS
Project Number: 15977

Serial_No:04022409:50
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2417344-24B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-24C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-24D	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYCP51-PAH(14),TS(7)
L2417344-24X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYCP51-8260HLW(14)
L2417344-24Y	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)
L2417344-24Z	Vial Water preserved split	A	NA		2.0	Y	Absent	30-MAR-24 09:34	NYCP51-8260HLW(14)

Container Comments

L2417344-16D Container Received Empty
L2417344-24D -24D has the correct sample time

Project Name: 318 NEVINS

Lab Number: L2417344

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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: 318 NEVINS
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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: 318 NEVINS**Lab Number:** L2417344**Project Number:** 15977**Report Date:** 04/02/24**Data Qualifiers**

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- 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.)

Project Name: 318 NEVINS
Project Number: 15977

Lab Number: L2417344
Report Date: 04/02/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 20

Department: **Quality Assurance**

Published Date: 6/16/2023 4:52:28 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 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 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 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).**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 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 3		Date Rec'd In Lab 3/30/24		ALPHA Job # L2417344																																																																																																																																																																																																																													
		Project Information Project Name: 318 Nevins St Project Location: Brooklyn NY Project # 15977 Use Project name as Project # ☐ Project Manager: Diana Posten ALPHAQuote #: Turn-Around Time Standard ☐ Due Date: Rush (only if pre approved) ☒ # of Days: 1		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #																																																																																																																																																																																																																															
Client Information Client: impact environmental Address: 170 Keylund Ct Bohemia NY Phone: Fax: Email: dposten@impactenvironmental.com		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		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: * 24 hr TAT * CAT-B Please specify Metals or TAL.		ANALYSIS CPS1 VOC CPS1 SVOC		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments																																																																																																																																																																																																																																	
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L24:17344

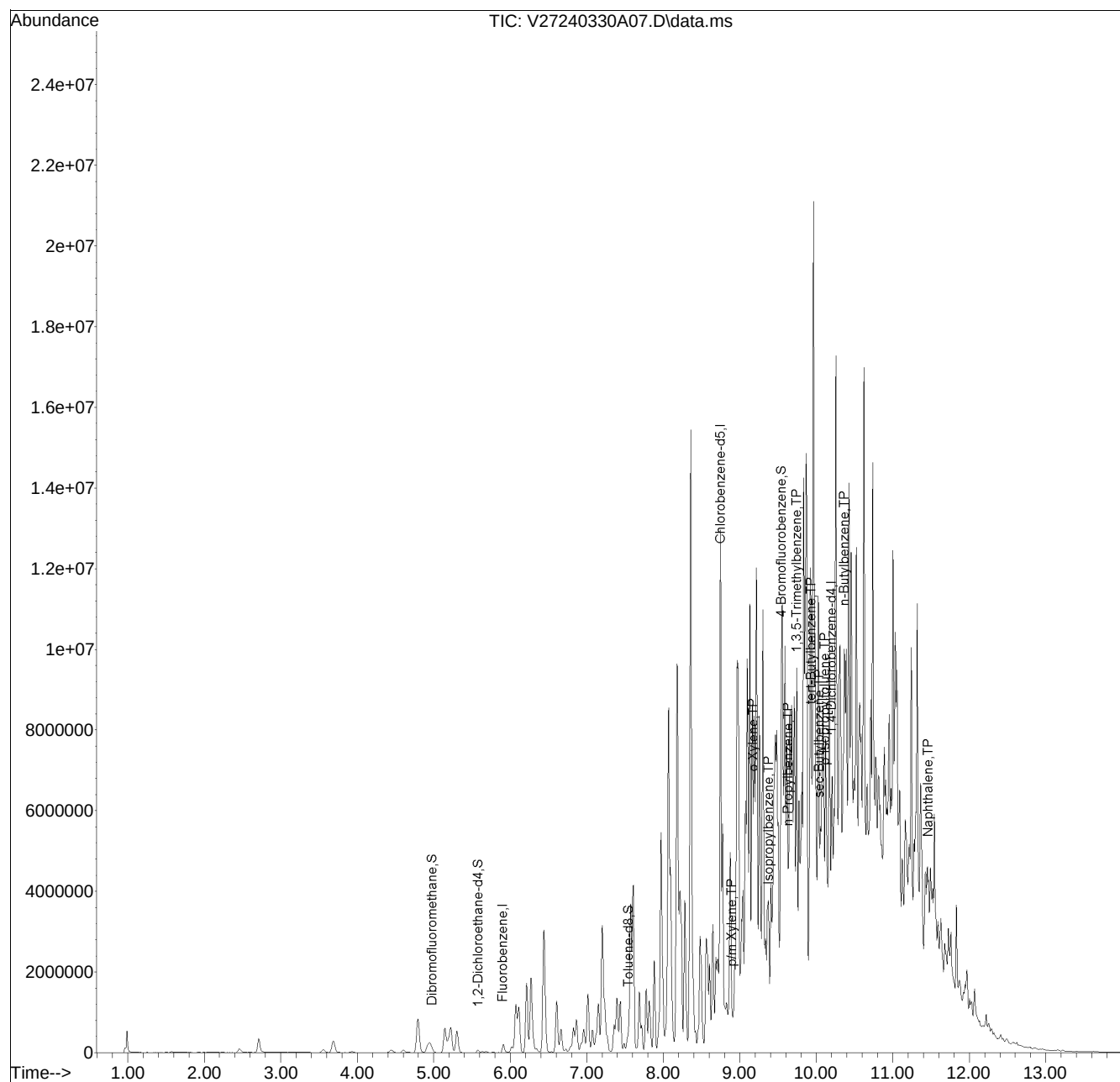
Page 112 of 115

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ALS Vial : 7 Sample Multiplier: 1

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QLast Update : Wed Mar 27 12:08:20 2024
Response via : Initial Calibration

Sub List : 8260-NYCP51 - NYCP5140330A\V27240330A01.D•

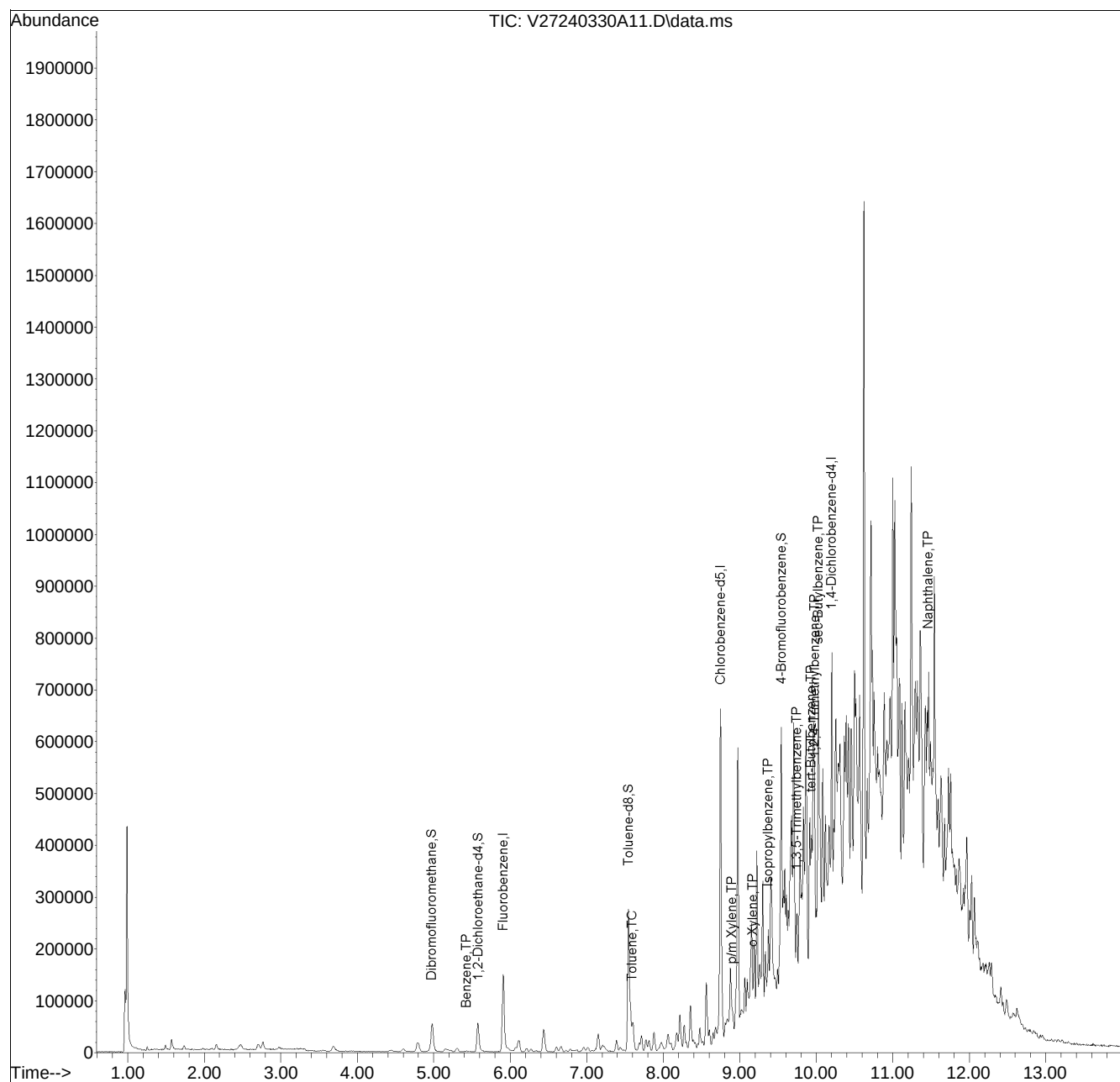


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Response via : Initial Calibration

Sub List : 8260-NYCP51 - NYCP5140330A\V27240330A01.D•

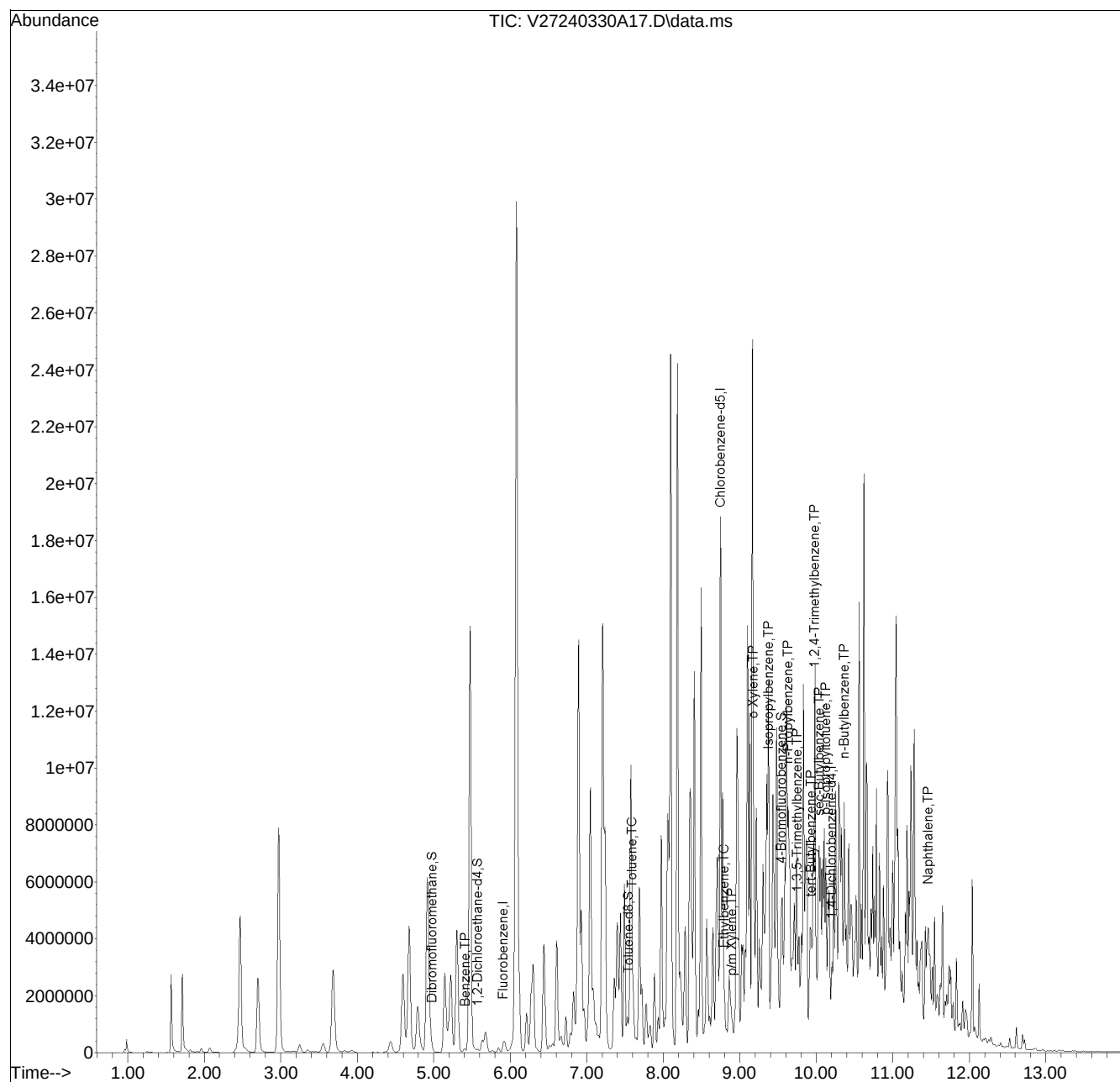


Quantitation Report (QT Reviewed)

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 Misc : WG1903266,ICAL20985
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 31 13:44:11 2024
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 QLast Update : Wed Mar 27 12:08:20 2024
 Response via : Initial Calibration

Sub List : 8260-NYCP51 - NYCP5140330A\V27240330A01.D•



Appendix D: Odor Neutralizer SDS's

318 Nevins Street, Brooklyn, NY



Atmos Odor Neutralizers

Neutralize and Eliminate Odors

Atmos Technologies' full suite of odor neutralizers are a fit for almost any odor source. The heavily concentrated products are designed to eliminate odors at the source, not just mask them. The products are used across many industries. When properly diluted, the products offer optimum performance at a low cost. Atmos' products contain a highly effective odor neutralization system that converts odor-causing materials into odor-free, stable, non-harmful compounds.



Features

- Non-Toxic, Environmentally Friendly
- Highly concentrated & Biodegradable
- Simple dilution with water
- Can be freeze protected
- Available in oil-based for Vapor Systems

Fragrances

Cherry	Pine
Citrus	Almond
Botanical	Christmas

Available Products

- Atmos Neutralizer 5000
- Atmos Neutralizer 2000
- Atmos Neutralizer 600
- Ready-to-Use

- Dilution Ratio: 1000 to 1
- Dilution Ratio: 800 to 1
- Dilution Ratio: 500 to 1
- N/A



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

OC SL2000 EF CHERRY

Version number: GHS 1.0

Date of compilation: 2021-04-09

SECTION 1: Identification

1.1 Product identifier

Trade name

CHERRY SL2000 EF

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

General use

1.3 Details of the supplier of the safety data sheet

CCR Specialty Chemicals
17 Campus Blvd.
Suite 100
Newtown Square, PA 19073
Phone: (610)-436-4314
Fax: (610)436-8436

1.4 Emergency telephone number

(800) 222-1222

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

This mixture does not meet the criteria for classification.

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

not required

2.3 Other hazards

of no significance



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

OC SL2000 EF CHERRY

Version number: GHS 1.0

Date of compilation: 2021-04-09

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

This product does not meet the criteria for classification in any hazard class according to GHS.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO₂)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

OC SL2000 EF CHERRY

Version number: GHS 1.0

Date of compilation: 2021-04-09

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

OC SL2000 EF CHERRY

Version number: GHS 1.0

Date of compilation: 2021-04-09

Control of the effects

Protect against external exposure, such as

Frost

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

This information is not available.

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	various
Odor	characteristic



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

OC SL2000 EF CHERRY

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Date of compilation: 2021-04-09

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	201 °F
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	not determined
Density	not determined
Vapor density	this information is not available
Relative density	Information on this property is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	not determined
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

9.2 Other information

Solvent content	99.96 %
Solid content	0.035 %



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

OC SL2000 EF CHERRY

Version number: GHS 1.0

Date of compilation: 2021-04-09

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

This mixture does not meet the criteria for classification.

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.



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Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

Information on this property is not available.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

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SECTION 14: Transport information

- | | |
|--|---|
| 14.1 UN number | not subject to transport regulations |
| 14.2 UN proper shipping name | not assigned |
| 14.3 Transport hazard class(es) | not assigned |
| 14.4 Packing group | not assigned |
| 14.5 Environmental hazards | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 Special precautions for user
There is no additional information. | |
| 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code
The cargo is not intended to be carried in bulk. | |

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Not subject to transport regulations.

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

none of the ingredients are listed

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

none of the ingredients are listed

Clean Air Act

none of the ingredients are listed



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acc. to 29 CFR 1910.1200 App D

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Right to Know Hazardous Substance List

- Toxic or Hazardous Substance List (MA-TURA)
none of the ingredients are listed
- Hazardous Substance List (NJ-RTK)
none of the ingredients are listed
- Hazardous Substance List (RI-RTK)
none of the ingredients are listed

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

none of the ingredients are listed

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	/	none
Health	0	no significant risk to health
Flammability	1	material that must be preheated before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	1	material that must be preheated before ignition can occur
Health	0	material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

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Version number: GHS 1.0

Date of compilation: 2021-04-09

SECTION 16: Other information, including date of preparation or last revision

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
DGR	Dangerous Goods Regulations (see IATA/DGR)
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.



SAFETY DATA SHEET

LONG DURATION FOAM AC-645

Section 1. Identification

GHS product identifier : LONG DURATION FOAM AC-645
Chemical name : Proprietary Surfactant.
Other means of identification : Aqueous anionic surfactant mixture.
Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Product use : Aqueous Surfactant. Spray application for VOC and Odor control.
Area of application : Industrial applications.

Supplier/Manufacturer : Rusmar, Inc.
216 Garfield Avenue
West Chester, PA 19380
Phone: 610-436-4314
Fax: 610-436-8436

e-mail address of person responsible for this SDS : info@rusmarinc.com
Website: www.rusmarinc.com

Emergency telephone number (with hours of operation) : 888 488 8044 or 212 682 1200
CHEMTREC 800 424 9300

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Not applicable.
Response : Not applicable.
Storage : Not applicable.
Disposal : Not applicable.

Hazards not otherwise classified : None known.

Date of issue/Date of revision : 05/28/2015 **Date of previous issue** : No previous validation **Version** : 1 1/11

Section 3. Composition/information on ingredients

Substance/mixture : Substance
Chemical name : Proprietary Surfactant.
Other means of identification : Aqueous anionic surfactant mixture.

CAS number/other identifiers

CAS number : Not available.
Product code : Not available.

Ingredient name	Other names	%	CAS number
Proprietary Surfactant.	-	100	-

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Section 4. First aid measures

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
sulfur oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 6. Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Section 8. Exposure controls/personal protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

- Physical state** : Liquid. [Clear viscous liquid.]
- Color** : Translucent. White.
- Odor** : Odorless.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : 99°C (210.2°F)
- Flash point** : Not applicable.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not applicable.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : 3.3 kPa (25 mm Hg) [room temperature]
- Vapor density** : Not available.
- Relative density** : 1.01 to 1.06
- Solubility** : Easily soluble in the following materials: cold water and hot water.
- Solubility in water** : Easily soluble.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- SADT** : Not available.
- Viscosity** : Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid	: Keep away from heat.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Low levels of sulfur oxides on exposure to high temperatures (concentrate).

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Conclusion/Summary : Not expected.

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Section 11. Toxicological information

Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Long term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Potential chronic health effects

Not available.

General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Section 12. Ecological information

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	-	-	-

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **United States inventory (TSCA 8b):** Not determined.

Clean Air Act Section 112 : Not listed

(b) Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

No products were found.

SARA 313

Not applicable.

State regulations

Massachusetts : This material is not listed.

New York : This material is not listed.

New Jersey : This material is not listed.

Pennsylvania : This material is not listed.

California Prop. 65

None of the components are listed.

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	0
Flammability	0
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
Not classified.	

History

Date of issue/Date of revision	: 05/28/2015
Date of previous issue	: No previous validation
Version	: 1
Prepared by	: IHS
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

Section 16. Other information

References : HCS (U.S.A.)- Hazard Communication Standard
International transport regulations

Indicates information that has changed from previously issued version.

Notice to reader

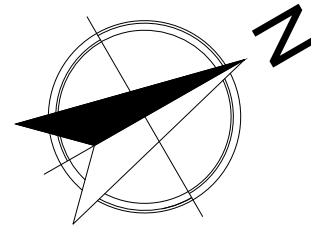
To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Appendix E: SOE Plan

318 Nevins Street, Brooklyn, NY





GOWANUS CANAL

ENGINEER / DESIGNER

**ANCORA
ENGINEERING**

494 8TH AVENUE, PH
NEW YORK, NY 10001
(212) 461-1987

CONTRACTOR

REVISIONS

LOCATION INFO

OB ADDRESS: 498 UNION ST NORTH BLDG
BROOKLYN, NY 11217

LOCK: 439
OT: 1
ONING DISTRICT: M2-1
IAP: 16C
IN #: 3429225
EIGHT: N/A

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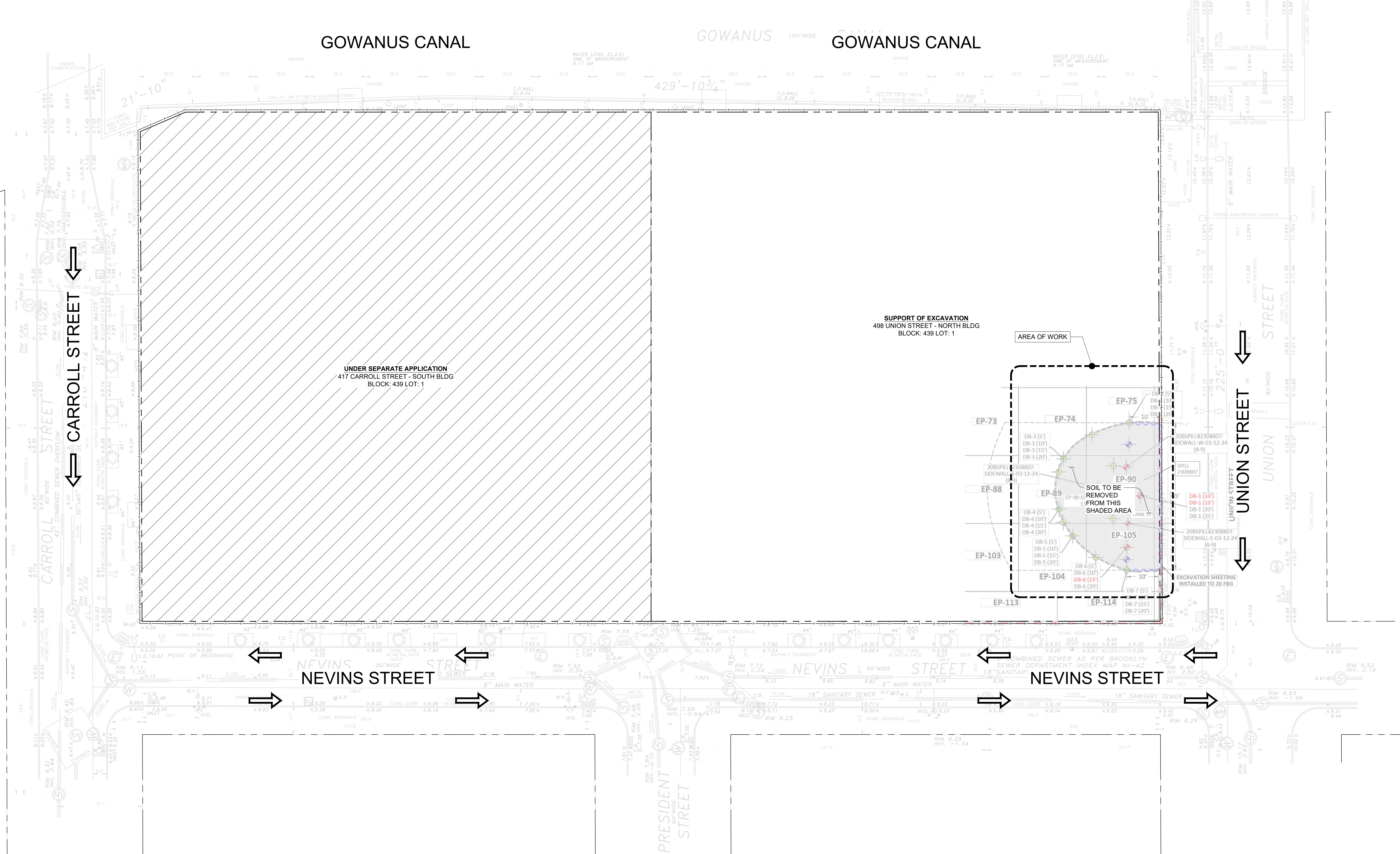
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APPLICANT: GREG C. MOORMANN, P.E., R.A.

DATE: 04/16/2024
PROJECT NO: CHARNEY 22.003
DRAWN BY: J.N.
CHECKED BY: GCM
DWG NUMBER:
SOE-100.00

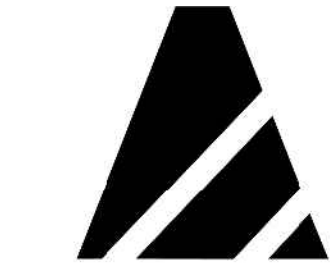
-SCAN JOB STICKER

DOB JOB #: B00611166-P3



SOE OVERALL PLAN

SCALE: 3/64" = 1'-0"



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OWNER

CHARNEY COMPANIES
5-26 46TH AVENUE, SUITE 2A
LONG ISLAND CITY, NY 11101
TARVOS HOLDINGS
19 WEST 24TH STREET, 12TH FL NY, NY 10010

CONTRACTOR

—

SUPPORT OF EXCAVATION

498 UNION ST NORTH BLDG
BROOKLYN, NY 11217

REVISIONS

DATE	DESCRIPTION
------	-------------

LOCATION INFO

DOB ADDRESS: 498 UNION ST NORTH BLDG
BROOKLYN, NY 11217
BLOCK: 439
LOT: 1
ZONING DISTRICT: M2-1
MAP: 16C
BIN #: 3429225
HEIGHT: N/A

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SOE SECTION

APPLICANT: GREG C. MOORMANN, P.E., R.A.

DATE: 04/16/2024

PROJECT NO: CHARNEY.22.003

DRAWN BY: J.N

CHECKED BY: GC

DWG NUMBER:
SOE-200.00

CADD FILE NAME:
F:\CURRENT PROJECTS\08 MEVINS
BT\DWG\08MEVINS-001.DWG

7 of 9

B-SCAN JOB STICKER

DOB JOB #: B00611166-P3

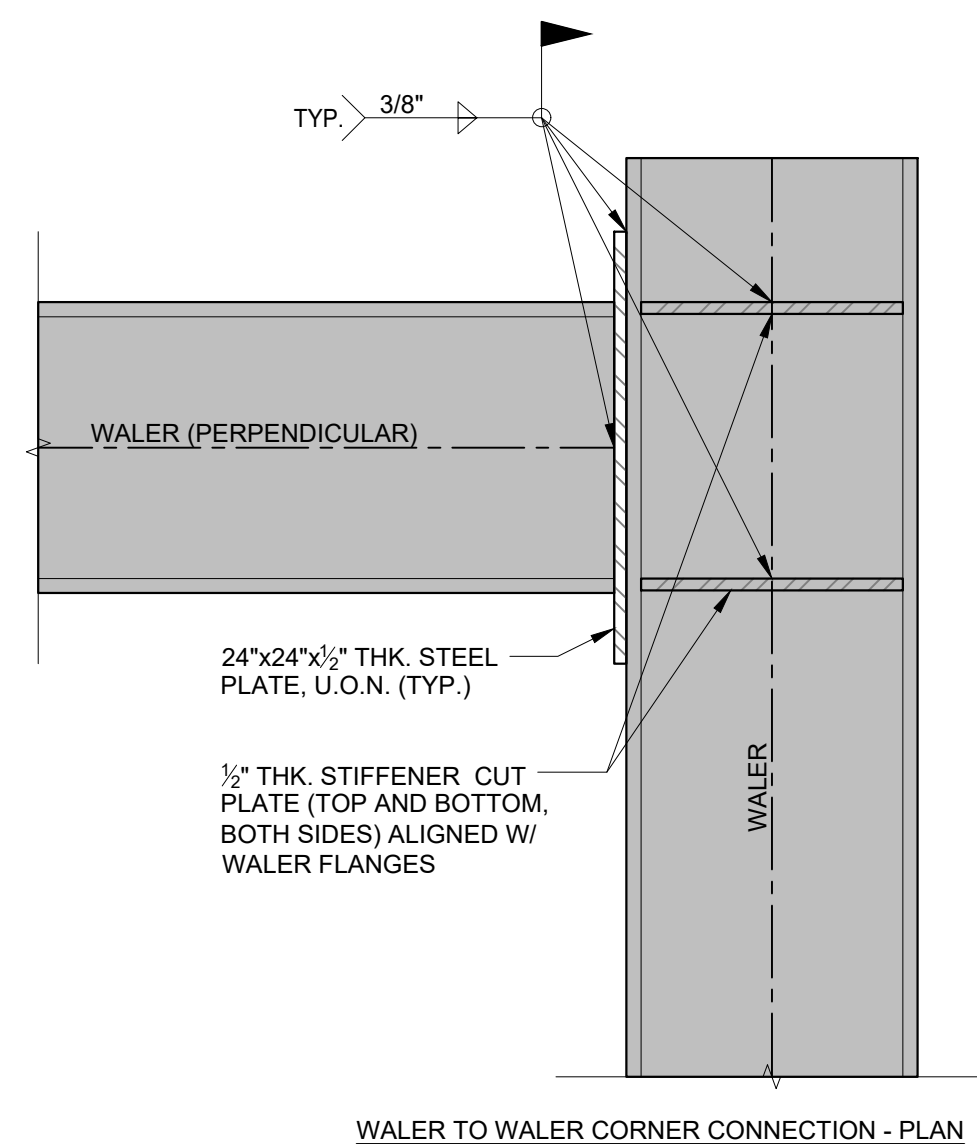
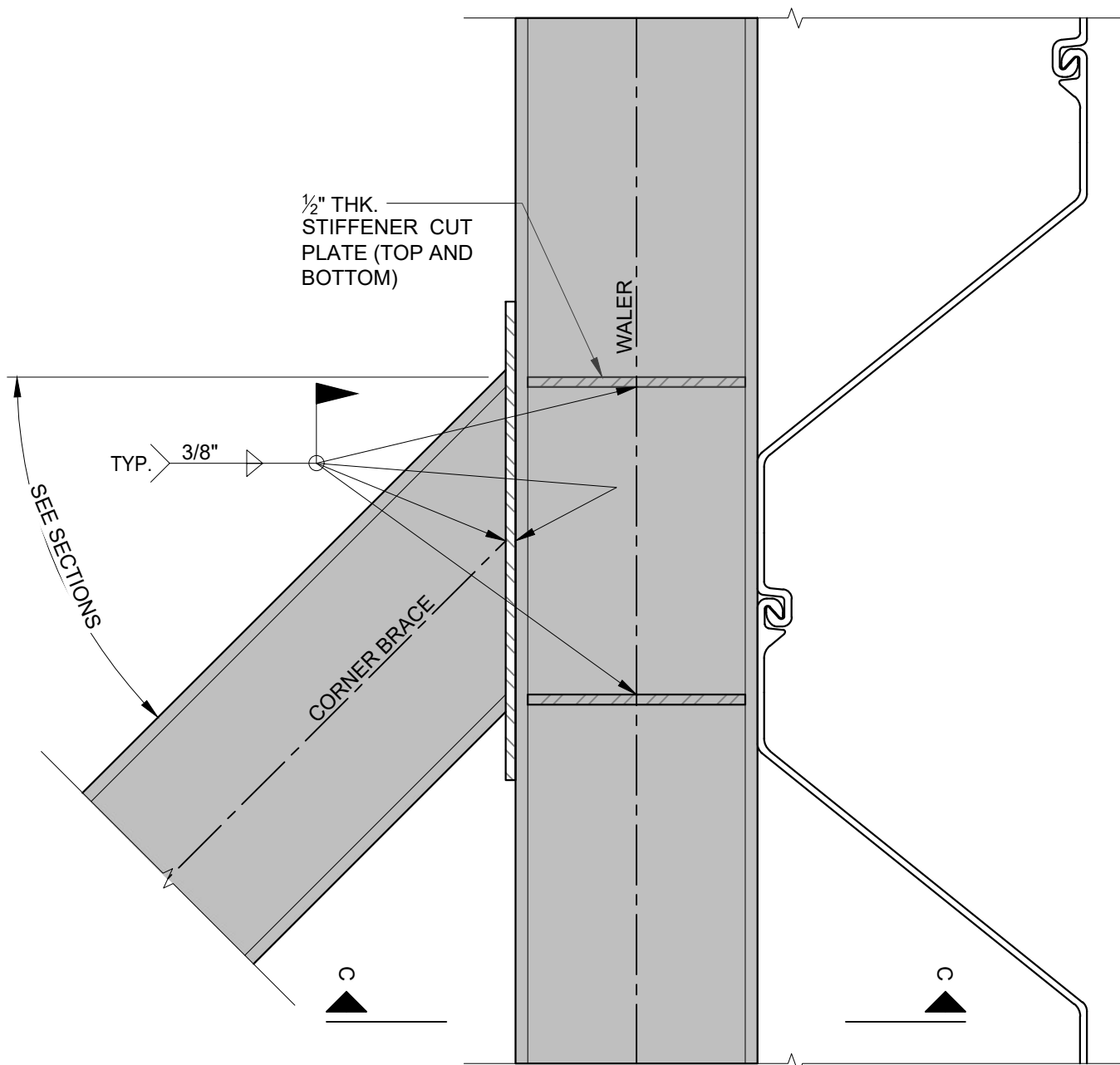


2309 Engineers Rd. | Belle Chasse, LA 70037 | +1 (866) 313-8770 | info@meeverusa.com | www.meeverusa.com

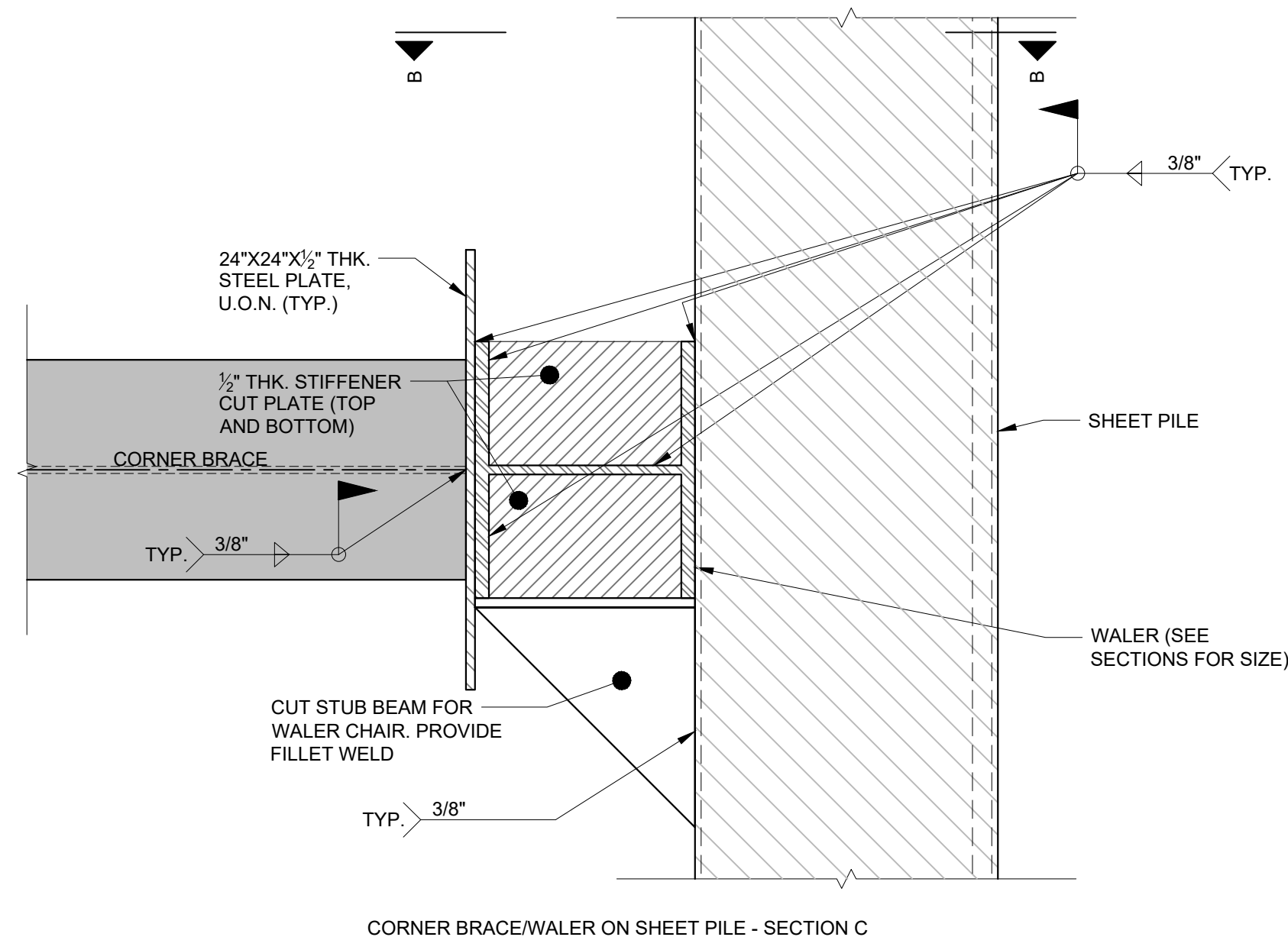
Section description	Product group	Shape	Section Modulus	Moment of Inertia	Width	Height	Thicknes Flange	Thickness Web	Weight Single	Weight	Coating 2 sides	Coating area	Cross Sectional Area
			in ³ /ft cm ³ /m	in ⁴ /ft ² cm ⁴ /m ²	inch mm	inch mm	inch mm	inch mm	lbs/ft kg/m	lbs/ft ² kg/m ²	ft ² /m ²	ft ² /ft ² m ² /m ²	in ² /ft ² cm ² /m ²
NZ 14	Hot Rolled Sheet Pile	Z	25.65 3.79	171.70 27.42	30.31 769	13.39 340	0.375 9.5	0.375 9.5	55.00 14.29	21.77 109.40	6.10 1.49	2.40 1.49	6.40 1.64

1 NZ 14 STEEL SHEETING
SCALE: N.T.S.

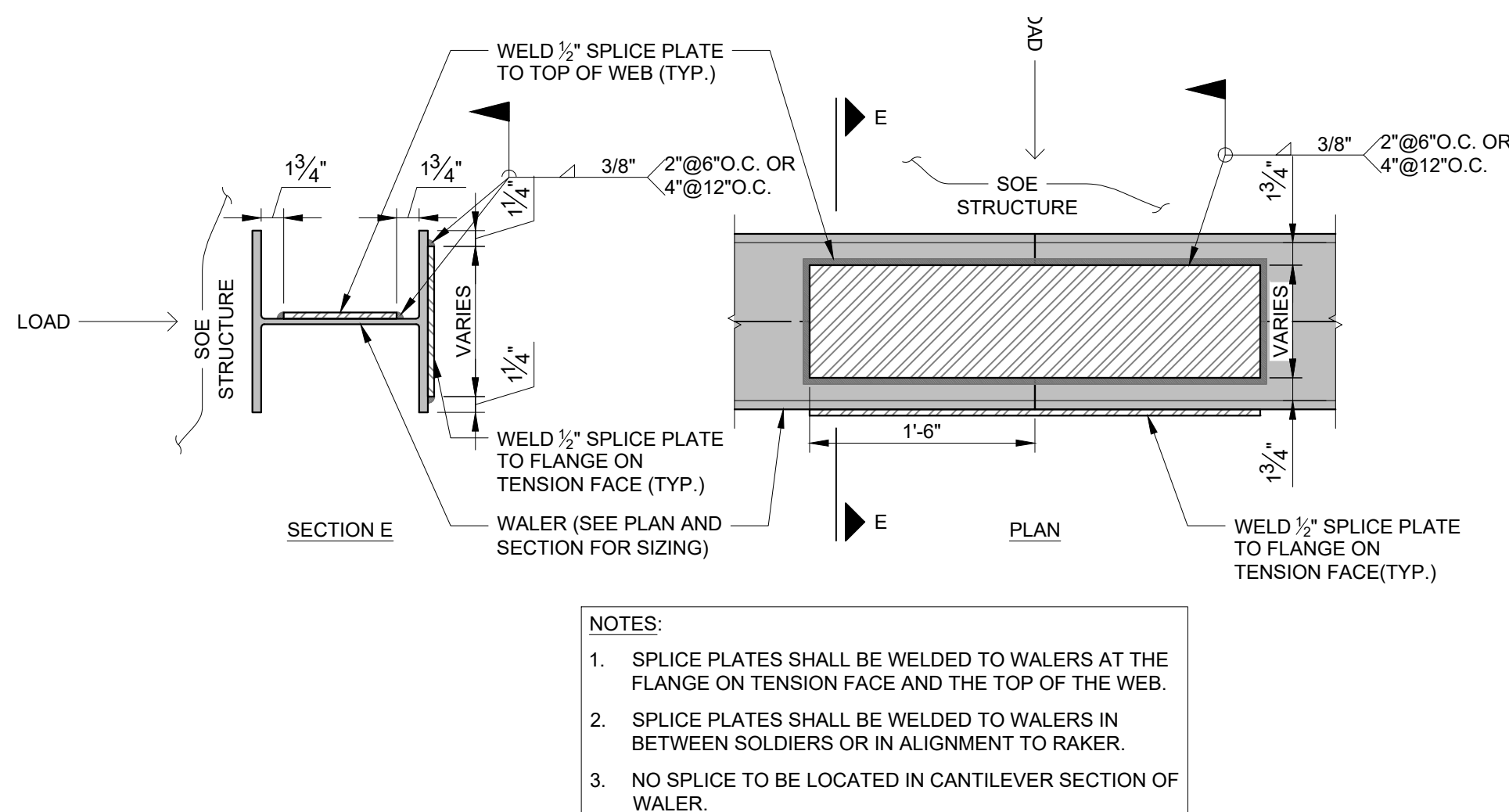
SCALE: N.T.S



SCALE: N.T.S.



2 SCALE: N.T.S



3 SCALE: N.T.S.



494 8TH AVENUE, PH
NEW YORK, NY 1000
(212) 461-1987

OWNER

CHARNEY COMPANIES
5-26 46TH AVENUE, SUITE 2A
LONG ISLAND CITY, NY 11101
TARVOS HOLDINGS
19 WEST 24TH STREET, 12TH FL NY, NY 10010

CONTRACTOR

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—
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SUPPORT OF EXCAVATION
498 UNION ST NORTH BLDG
BROOKLYN, NY 11217

REVISIONS

DATE	DESCRIPTION
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LOCATION INFO

DOB ADDRESS: 498 UNION ST NORTH BLDG
BROOKLYN, NY 11217
BLOCK: 439
LOT: 1
ZONING DISTRICT: M2-1
MAP: 16C
BIN #: 3429225
HEIGHT: N/A

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SOE DETAILS

APPLICANT: GREG C. MOORMANN, P.E., R.A.

DATE: 04/16/2024

QUADRE/00.00

PROJECT NO. SDGNET-11.00

DRAWN BY: J.N.

CHECKED BY: GCM

PAGE NUMBER:

005 100 0

SOE-400.0

CADD FILE NAME: I

EXISTING PROJECTS: 008 MEVNS
ETOV2OV23BOF300 MEVNS ET - BOE - 20044H -
JN - 50L BEMTM SWEETWATER

[illegible]

300611166-P3

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