



Consolidated Edison Company
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July 19, 2024

VIA ELECTRONIC MAIL

Gerald Pratt, PG
Section Chief
New York State Department of Environmental Conservation
Remedial Bureau C
625 Broadway – 12th Floor
Albany, NY 12233-7014

Re: Semi-Annual Groundwater Monitoring Report – November/December 2023
2950 Atlantic Avenue
Brooklyn, New York
NYDEC Spill No. 9806522

Dear Mr. Pratt:

This letter report was prepared to document the findings from the semi-annual groundwater monitoring event for the second half of 2023, as required in support of New York State Department of Environmental Conservation (NYSDEC) Spill Number (No.) 98-06522 which is associated with the former operation of Underground Storage Tanks (USTs) at the Consolidated Edison Company of New York, Inc. (Con Edison) 2950 Atlantic Avenue Service Center in Brooklyn, New York, herein referred to as the “Site.” This monitoring event was conducted by D&B Engineers and Architects (D&B) in late November/December 2023. Site Location Maps are included as **Figures 1 and 2**.

The groundwater monitoring was completed in accordance with the recommendations in the NYSDEC-approved Supplemental Site Characterization Addendum (SSCA) Report, dated May 29, 2009, and the protocols outlined in the NYSDEC-approved Supplemental Site Characterization Work Plan, dated April 27, 2006, to evaluate petroleum and manufactured gas plant (MGP) impacts. The sampling also met the requirements of the Remedial Action Work Plan (RAWP), Post-injection Groundwater Monitoring Program, dated December 11, 2020. The monitoring event was conducted between November 19 through December 13, 2023, and included gauging, and the collection and analysis of groundwater samples from 14 on-site and 3 off-site groundwater monitoring wells. Existing monitoring well MW-11 which is usually included in the groundwater sampling program could not be located during the November/December 2023 sample round and therefore could not be sampled.

PROJECT BACKGROUND

A petroleum product spill listed as NYSDEC Spill No. 98-06522 originated as a release from the 2,000-gallon gasoline UST and 2,000-gallon fuel oil UST which were removed from the Site in August 1998. The USTs, installed in 1981, were constructed of concrete encased steel and were located in the northwestern portion of the Site approximately 60 feet south of Atlantic Avenue.

On February 23, 2000, during routine gauging of an on-site monitoring well, non-aqueous phase liquid (NAPL) was detected. In response Con Edison implemented a passive product recovery program, submitted a UST Closure Report (2000) and Site Characterization Work Plan (2000). In response to the Site Characterization Report (2001), NYSDEC requested a proposal for a UST remedial action and delineation of unrelated on-site MGP impacts. Con Edison submitted a Site History Research Report (2001) in regard to the MGP impacts, and a Supplemental Site Characterization Work Plan (2006) was approved by NYSDEC in 2007.

During that time Con Edison had monitored the existing monitoring wells for NAPL and groundwater levels. NAPL has not been detected at the Site since March 22, 2002, as such the passive recovery program was terminated in 2008.

A Supplemental Site Characterization Report (SSCR) (2008) was submitted to further characterize the extent and magnitude of subsurface impacts associated with the former USTs and to select the appropriate remedy for those impacts. For the purpose of the supplemental work, it was assumed that soil and groundwater contamination related to the gasoline stored in the former USTs would include MTBE. Conversely, where MTBE was not detected, it was assumed that impacts from the former Con Edison USTs did not exist. This investigation did not specifically address impacts from other potential sources such as MGP residuals as described below. While the SSCR recommended further delineation of UST impacts, a remedy was not recommended at that time until a remedial investigation and remedial approach could be developed for MGP impacts.

A Supplemental Site Characterization Addendum Report (2009) was drafted and presented data and information to delineate the lateral and vertical extent of contaminants associated with the USTs, review historical records to identify potential off-site sources of PCE, and complete sub-slab soil vapor, indoor and outdoor ambient air sampling to determine the potential for vapor intrusion. Groundwater monitoring has been conducted quarterly from 2009 to 2010 and on a semi-annual basis since 2011. The groundwater monitoring well network includes seventeen (17) wells, encompassing fourteen (14) on-site and three off-site wells.

Historically, the Union Station (Citizens Branch) former gas holder station which consisted of three gas holders to hold and distribute coal gas was operated on the Site from 1887 to the 1930s and is now managed under an Administrative Order of Consent (AOC) between NYSDEC and National Grid. The concrete holder bottoms of the three holders remain at the Site in the

subsurface. Existing environmental impacts that resulted from operations of the former Gas Holder Station are being managed by National Grid under NYSDEC's Manufactured Gas Plant program, and an Interim Site Management Plan (ISMP) has been put in place for remaining MGP impacts.

2021 IN-SITU CHEMICAL OXIDATION (ISCO) INJECTIONS:

In accordance with a NYSDEC-approved Remedial Action Work Plan (RAWP) (Parsons, 2020), between October and November 2021 Con Edison completed an in-situ chemical oxidation (ISCO) injection to chemically oxidize the BTEX and MTBE in subsurface soil and groundwater in the former UST area of the Site using a combination of modified Fenton's reagent (MFR) and carbohydrate activated sodium persulfate (CHASP). The remedial action objective was to breakdown residual petroleum associated with the Spill and reduce benzene, toluene, ethylbenzene and xylene (BTEX) and methyl tert-butyl ether (MTBE) concentrations below applicable NYSDEC Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards and Guidance Values for Class GA groundwater (AWQS).

The ISCO injection program targeted the area within and around the former USTs, encompassing monitoring wells MW-1A, MW-2, MW-3, MW-5, and MW-6. The approximate 4,930 square feet treatment area had target interval depths of 8 to 34 feet below ground surface (bgs) for a total volume of soil treated equal to approximately 19,680 cubic feet in the vadose zone and 49,300 cubic feet in the smear and saturated zones. A total of 25,620 gallons of reagent were injected into the subsurface across 28 temporary injection points, each with multiple 5-foot injection intervals, installed to distribute the reagent mixture throughout the volume of soil being treated in the UST area. Sulfate, a major byproduct of the persulfate based ISCO approach, and oxygen end products from MFR+CHASP and persulfate-based ISCO treatment can enhance bioremediation of BTEX in groundwater.

SECOND HALF 2023 GROUNDWATER MONITORING RESULTS

Field Observations and Measurements

Prior to groundwater sample collection, water levels and head space total volatile organic compounds (TVOCs) were measured at each well using a decontaminated Solinst 122 oil/water interface probe and a MiniRAE 3000 photo-ionization detector (PID), respectively. Gauging of all 16 monitoring wells was conducted on November 29, 2023. No measurable oil or nonaqueous phase liquid (NAPL) was detected in the wells during the November/December 2023 sampling event. In addition, a second round of water levels was collected on January 11, 2024, to confirm the November 2023 water level data. As discussed above, monitoring well MW-11 could not be located during the November/December 2023 sample round and therefore could not be sampled. It is believed that the well may have been paved over with asphalt.

Table 1 summarizes all water level data collected on November 29, 2023 and January 11, 2024, along with the PVC well riser top of casing elevation. The depth to water and casing elevations were used to determine the groundwater elevations at each well which are also presented in **Table 1**. Groundwater elevations based on the January 2024 measurements were used to create a groundwater contour map provided as **Figure 3** and ranged from a minimum of 8.55 feet in MW-15 and MW-16D to a maximum of 8.94 feet measured in MW-7. The groundwater elevations are relative to mean sea level (MSL) and based on North American Vertical Datum of 1988 (NAVD88). Note that there is no water elevation data for MW-11 for the second half of 2023 given the well could not be located.

As shown on **Figure 3**, which presents groundwater elevation contours generated based on the water levels measured on January 11, 2024, groundwater flows in a south to southwest direction, consistent with regional groundwater flow in Kings County, Brooklyn as well as groundwater flow directions determined during previous investigations. As shown on **Table 1**, headspace TVOC readings at 14 of the 16 monitoring wells were non-detectable. The highest TVOC measurement of 70.2 parts per million (ppm) was measured in monitoring well MW-2 which is located in the north central portion of the site to the west of the former north gas holder location. The next highest TVOC measurement of 4.6 ppm was detected in monitoring well MW-6, which is located in the north portion of the Site within the former UST source area, as shown on **Figure 1**.

Sample Collection

Monitoring well sampling was completed in accordance with the April 2006 Work Plan and Quality Assurance Project Plan (QAPP), discussed above. The following is a list of monitoring wells that were sampled and their location relative to the former UST source area:

On-Site Monitoring Wells

- Source area monitoring wells: MW-1A, MW-3, MW-5, MW-6, and MW-10D
- Upgradient monitoring wells: MW-4, MW-7, and MW-8,
- Cross gradient monitoring wells: MW-12, and MW-13D
- Down gradient monitoring wells: MW-2, MW-9 and MW-14

Off-Site Monitoring Wells

- Down gradient monitoring wells: MW-15, MW-16D, and MW-17

As discussed above, D&B could not locate monitoring well MW-11 during the November/December 2023 sampling event, and therefore could not be sampled.

Prior to sample collection, groundwater was purged from each monitoring well with a low-flow pump and dedicated polyethylene tubing from within the screened interval using low-flow groundwater sampling techniques. Groundwater was pumped through a flow-through cell where groundwater pH, conductivity, temperature, dissolved oxygen (DO), oxidation reduction potential (ORP), and turbidity were measured with a Horiba U-52 water quality multi-meter at a frequency of once every five minutes. Groundwater sampling logs are presented in **Attachment A**.

After the field parameters stabilized for three consecutive five-minute readings during purging or the well had been purged of three well volumes, whichever occurred first, groundwater samples were collected directly from the pump discharge line into laboratory supplied sample glassware containing appropriate preservative. The sample bottles were sealed, labeled, placed in a cooler containing ice, and submitted to Chemtech Analytical Laboratories, Inc., a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) laboratory located in Mountainside, New Jersey under standard chain of custody protocol. A copy of Chemtech's NYSDOH ELAP certification is provided in **Attachment B**.

Sixteen groundwater samples were collected during this monitoring event. Associated quality assurance and quality control samples, that included a field blank and a trip blank was included with each sample shipment. All groundwater samples were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Methods 8260, five wells including MW-2, MW-3, MW-6, MW-12, and MW-14 were also analyzed for NYSDEC CP-51-listed semi-volatile organic compounds (SVOCs) using USEPA Method 8270, respectively. Additionally, in order to monitor the performance of the ISCO injections discussed above, 13 monitoring wells were also analyzed for sulfates using USEPA Method 300.0 and for persulfate using an in-field colorimetric method by Chemetrics Inc. – Chemets Kits. The tabulated laboratory analytical results from this sampling event are included in **Table 2** for VOCs, **Table 3** for SVOCs, **Table 4** summarizes the QA/QC sample results, **Table 5** includes the persulfate and sulfate results, and **Table 6** includes the historic tabulated data for VOCs and SVOCs going back to 2009. Laboratory analytical reports for samples collected during this event are included in **Attachment C**.

Analytical Results

Groundwater analytical results were compared to NYSDEC Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards (AWQS) and Guidance Values for Class GA groundwater (i.e., drinking water). Petroleum products and MGP-related groundwater impacts may be indistinguishable given the similarity of constituents in the source materials (benzene, toluene, ethylbenzene, and xylenes [BTEX] and several late-eluting SVOCs). For the purpose of this monitoring event, it is assumed that groundwater associated with NYSDEC Spill No. 98-

06522 exhibits primary impacts from methyl tert-butyl ether (MTBE) with BTEX compounds considered secondary contaminants of concern.

BTEX and MTBE

Trend graphs for concentrations of individual BTEX compounds with MTBE and groundwater elevations overtime have been developed for monitoring wells MW-1A, MW-2, MW-3, MW-5, MW-6, MW-9, MW-10D, MW-12, and MW-14, and are provided in **Attachment D**. In addition, total BTEX and MTBE concentration graphs have been developed for MW-1A, MW-2, MW-3, MW-5, MW-6, MW-10D and MW-12 and include the ISCO injection period completed in late-2021 and the available persulfate and sulfate concentrations, and are also provided in **Attachment D**. Based on the review of the recent November/December 2023 data and the trend graphs, the following observations are noted:

1. Based on the review of historic groundwater data and subsurface investigations dating back to 2007, monitoring wells MW-6 and MW-10D are located within the UST source area and MW-1A, MW-2 and MW-3 are located immediately downgradient of this source area. Therefore, these wells provide the best monitoring data to assess the current extent of groundwater impacts related to the source area, including BTEX and MTBE. As shown on **Figure 2**, while MW-14 is also located downgradient of the UST source area, it is approximately 260 feet downgradient of the UST source area but located less than 50 feet downgradient of one of several on-site former MGP gas holders. Therefore, the water quality at MW-14 is more representative of groundwater quality downgradient of the former gas holders when compared to the UST source area. This would also hold true for monitoring wells MW-12 and MW-13D which are also located immediately downgradient of the former MGP gas holders.
2. Consistent with previous sample rounds, the highest total BTEX concentrations detected in the November/December 2023 sample round were detected in the groundwater water samples collected from the monitoring wells located in and downgradient of the UST source area, including MW-2 (532.9 ug/l), MW-3 (169.4 ug/l) and MW-6 (534.2 ug/l). However, as shown by the trend graphs provided in Attachment D, BTEX concentrations have shown an overall decreasing trend in concentrations in and downgradient of the UST source area since the completion of the ISCO injection program in late-2021. As shown below, there has been a significant decrease in BTEX concentrations in the majority of the monitoring wells when compared to the pre-remediation data collected in June 2021 and the most recent data collected in November/December 2023.

3. BTEX compounds and MTBE were found to be non-detectable at MW-10D during the November/December 2023 sampling event. As summarized in **Figure 4**, prior sampling events dating as far back as 2016 have shown little to no BTEX or MTBE impacts at this well location. This can be attributed to the fact that, while the well is located within the UST source area, it is screened well below the petroleum smear zone located in the vicinity of the water table.
4. MTBE concentrations were found to be non-detectable in 14 of the 16 groundwater monitoring well samples during the November/December 2023 sample round. One monitoring well, MW-1A, exhibited trace levels of MTBE at 1.8 ug/l. Only MW-12 exhibited an MTBE concentration exceeding the NYSDEC TOGS Class GA AWQS and Guidance Value of 10 ug/l with a concentration of 28.7 ug/l.

PCE

Tetrachloroethylene (PCE) was detected at a number of monitoring wells at trace concentrations of less than 5 ug/l in the November/December 2023 samples with no exceedances found. Based on groundwater data collected at the Site since 2007, chlorinated solvents appear to originate from up- or cross-gradient off-site sources at concentrations above the TOGS GA standard. There is no evidence of a past or present on-site source of chlorinated VOCs.

SVOCs and Non-Target VOCs

The following SVOCs were also detected in one or more groundwater samples collected during the November/December 2023 sample round at concentrations above the NYSDEC TOGS GA standards: naphthalene, acenaphthene, and biphenyl. In addition, to the BTEX compounds, MTBE and PCE discussed above, the only VOCs detected in one or more of the November/December 2023 groundwater samples above the NYSDEC GA Standards included acetone, chloroform, trichloroethylene, and isopropyl benzene. These compounds have been detected intermittently throughout the project.

Sulfates and Persulfates

Table 5 summarizes all persulfate and sulfate data collected since the ISCO injections were completed in late-2021. This includes four sample rounds, May 2022, October 2022, April 2023 and November/December 2023. A total of 13 groundwater samples were analyzed for sulfate during the November/December 2023 sample round by the contract laboratory (Chemtech) using USEPA Method 300.0, and for persulfate by D&B personnel using an in-field colorimetric method produced by Chemetrics, Inc. These monitoring wells included MW-1A, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10D, MW-15, MW-16D, and MW-17. The

persulfate concentrations provide an indication of the amount of sodium persulfate oxidant remaining in the injection area and the sulfate concentrations provide an indication of the amount of sulfate generated through the “persulfate activation” of the sodium persulfate. Sulfate was detected in all 13 monitoring wells in the November/December 2023 round of sampling ranging from a minimum of 7.0 mg/l detected at MW-02 to a maximum of 138.0 mg/l detected at MW-6. The in-field persulfate measurements indicated 10 of the 13 samples had non-detectable persulfate concentrations. Three samples had detectable concentrations ranging from 0.7 mg/l in MW-6 and MW-17 to a maximum concentration of 1.4 mg/l detected in MW-10D.

As summarized in the BTEX trend graphs presented in Appendix D which also include the persulfate and sulfate data, the monitoring wells located in and downgradient of the UST source area and exhibiting the highest BTEX concentrations show a general decreasing trend in sulfate, including MW-2, MW-3, MW-5 and MW-6. In addition, persulfate concentrations within the UST source area were found to be non-detectable in the November/December 2023 sampling round using the in-field test method and the four rounds of data show an overall decreasing trend in persulfate concentrations in the source area. One exception to this trend is observed at MW-6 which shows a slight increase in persulfate concentrations.

Waste Management

Purged well water was containerized in U.S. Department of Transportation (DOT)-approved 33-gallon drums. The drums have been shipped off-site by Con Edison for proper disposal as non-hazardous DOT liquid waste. See **Attachment E** for the shipping documentation.

CONCLUSIONS AND RECOMMENDATIONS

The November/December 2023 groundwater data indicates the highest BTEX and MTBE concentrations are within and downgradient of the UST source area, consistent with previous sample rounds. However, MTBE and BTEX concentrations have decreased significantly after completion of the ISCO injections in late-2021 and continue to decrease within the UST source area at groundwater monitoring wells MW-2, MW-3, MW-5 and MW-6. Additional data collected as part of the ongoing biannual sampling round will provide further data to determine the effectiveness of the ISCO remediation over time. Furthermore, as shown on **Table 6**, BTEX and MTBE in off-site monitoring wells located downgradient of the UST source area, including MW-15, MW-16D and MW-17, have been non-detectable or at concentrations below the NYSDEC TOGS Class GA AWQS and Guidance Value since March of 2015.

Groundwater monitoring will continue to take place on a semi-annual basis with the next round to be completed in the first half of 2024, tentatively scheduled for April 2024. Consistent with the recent sampling rounds, the groundwater samples collected from all 16 monitoring wells will be analyzed for VOCs, in addition, five wells, including MW-2, MW-3, MW-6, MW-12, and

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MW-14 will be analyzed for SVOCs. Consistent with the NYSDEC-approved RAWP, 13 wells will also be selected for sulfate and persulfate analysis, including: MW-1A, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10D, MW-15, MW-16D, and MW-17.

Note that moving forward, MW-11 will not be sampled as part of this ongoing groundwater monitoring program given it is currently inaccessible. However, given this monitoring well is side gradient of the UST source area, it is not considered critical in the future monitoring of the UST source area.

Please feel free to contact me at (917) 690-6778 should you have any questions regarding this submittal.

Very truly yours,



Raphael Rosenbaum
Scientist - EH&S, MGP Remediation
Consolidated Edison Company of NY, Inc.

RR/DSt/rs

cc: Anita Ma (Con Edison)
Neil O'Halloran (Con Edison)
Tom Fox (D&B)

Enclosures:

Table 1 Summary of Groundwater and Product Elevations at Monitoring Wells
Table 2 Summary of Detected VOCs in Groundwater Samples
Table 3 Summary of Detected SVOCs in Groundwater Samples
Table 4 Summary of Detected VOCs in QAQC Samples
Table 5 Summary of the Detected Sulfate and Persulfate in Groundwater Samples
Table 6 Summary of Historical Groundwater Sample Analytical Results

Figure 1 Site Location Map
Figure 2 Monitoring Well Locations Map
Figure 3 Groundwater Contour Map
Figure 4 Groundwater Sampling Results Map

Attachment A Groundwater Sampling Field Forms
Attachment B Laboratory Certification
Attachment C Laboratory Analytical Reports
Attachment D Groundwater MTBE and BTEX Concentration Trend Charts
Attachment E Waste Manifest

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TABLES

TABLE 1
SUMMARY OF GROUNDWATER AND PRODUCT ELEVATIONS AT MONITORING WELLS
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT
ATLANTIC AVENUE SERVICE CENTER
BROOKLYN, NEW YORK

Table 1: Groundwater Elevation Measurements							
WELL	Surveyed Top of PVC Riser Elevation* (ft. amsl)	DATE		DATE		DEPTH TO PRODUCT FROM TOP OF PVC	PID Readings (ppm)
		11/29/2023		1/11/2024			
		DTW (ft. btc)	ELEVATION (ft. amsl)	DTW (ft. btc)	ELEVATION (ft. amsl)		
MW-1A	34.44	30.53	3.91	25.62	8.82	ND	0.0
MW-2	34.66	26.62	8.04	25.88	8.78	ND	70.2
MW-3	34.05	25.55	8.50	25.22	8.83	ND	0.0
MW-4	33.31	24.77	8.54	24.41	8.90	ND	0.0
MW-5	34.14	25.77	8.37	25.39	8.75	ND	0.0
MW-6	34.00	25.48	8.52	25.14	8.86	ND	4.6
MW-7	33.06	24.42	8.64	24.12	8.94	ND	0.0
MW-8	33.46	24.67	8.79	24.56	8.90	ND	0.0
MW-9	34.91	26.58	8.33	26.25	8.66	ND	0.0
MW-10D	34.18	25.47	8.71	25.31	8.87	ND	0.0
MW-11	34.34	--	--	--	--	ND	0.0
MW-12	35.18	26.73	8.45	26.37	8.81	ND	0.0
MW-13D	35.37	26.58	8.79	26.58	8.79	ND	0.0
MW-14	31.85	23.62	8.23	23.20	8.65	ND	0.0
MW-15	36.63	28.42	8.21	28.08	8.55	ND	0.0
MW-16D	36.21	28.10	8.11	27.66	8.55	ND	0.0
MW-17	35.44	27.09	8.35	26.72	8.72	ND	0.0

NOTES

- Not measured
- U.S.: United States
- ft.: Feet
- DTW: Depth to water
- * All elevations based on North American Vertical Datum 1988 (NAVD88). Note that all PVC riser elevations were re-surveyed by Mega Construction Management in November 2020, under contract with D&B.
- * MW-11 unlocatable. Not Measured
- * PID Readings are for November 29, 2023 Data Set
- ppm: Parts per million
- ND: None Detect
- asml: Above mean sea level
- btc: Below top of casing

TABLE 2
SUMMARY OF DETECTED VOCs IN GROUNDWATER SAMPLES
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Sample ID Sampling Date Units	MW-1A 11/29/2023 ug/l	MW-2 12/12/2023 ug/l	MW-3 12/12/2023 ug/l	MW-4 12/12/2023 ug/l	MW-5 11/29/2023 ug/l	MW-6 11/29/2023 ug/l	MW-7 12/12/2023 ug/l	NYSDEC Standard or Guidance Value ug/l
VOLATILE COMPOUNDS								
1,1,1-Trichloroethane	U	U	U	U	U	U	U	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	U	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	U	U	U	1
1,1-Dichloroethane	U	U	U	U	U	U	U	5
1,1-Dichloroethene	U	U	U	U	U	U	U	5
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	5
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	5
1,2-Dibromo-3-Chloropropane	U	U	U	U	U	U	U	0.04
1,2-Dibromoethane	U	U	U	U	U	U	U	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	U	U	3
1,2-Dichloroethane	U	U	U	U	U	U	U	0.6
1,2-Dichloropropane	U	U	U	U	U	U	U	1
1,3-Dichlorobenzene	U	U	U	U	U	U	U	3
1,4-Dichlorobenzene	U	U	U	U	U	U	U	3
1,4-Dioxane (P-Dioxane)	NA	U	U	U	NA	U	NA	--
2-Butanone (MEK)	U	8.2	U	U	U	3.1 J	U	50
2-Hexanone	U	U	U	U	U	U	U	50
4-Methyl-2-pentanone (MIBK)	U	U	U	U	U	U	U	--
Acetone	U	<u>160</u>	U	U	U	10.7	U	50
Benzene	<u>33.2</u>	<u>41.8</u>	0.27 J	U	U	<u>250 D</u>	U	1
Bromochloromethane	U	U	U	U	U	U	U	5
Bromodichloromethane	U	U	U	U	U	U	U	50
Bromoform	U	U	U	U	U	U	U	50
Bromomethane	U	U	U	U	U	U	U	5
Carbon Disulfide	U	U	U	U	U	U	U	60
Carbon Tetrachloride	U	U	U	U	U	U	U	5
Chlorobenzene	U	U	U	U	U	U	U	5
Chloroethane	U	U	U	U	U	U	U	5
Chloroform	0.88 J	U	<u>9.5</u>	0.85 J	1.1	1.3	0.82 J	7
Chloromethane	U	U	U	U	U	U	U	5
Cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	5
Cis-1,3-Dichloropropene	U	U	U	U	U	U	U	0.4
Cyclohexane	U	31.7	U	U	U	8.6	U	--
Dibromochloromethane	U	U	U	U	U	U	U	50
Dichlorodifluoromethane	U	U	U	U	U	U	U	5
Ethylbenzene	1.8	<u>200 D</u>	<u>45.1</u>	0.9 J	U	<u>80.3</u>	U	5
Isopropylbenzene	U	<u>24.8</u>	2.6	U	U	<u>5.1</u>	U	5
M,P-Xylenes	0.89 J	<u>280 D</u>	<u>80.3</u>	1.7 J	U	<u>130</u>	U	5
Methyl Acetate	U	U	U	U	U	U	U	--
Methyl tert-butyl ether	1.8	U	U	U	U	U	U	10
Methylcyclohexane	U	33.5	0.82 J	U	U	9.3	U	--
Methylene Chloride	U	U	U	U	U	U	U	5
O-Xylene	U	<u>7.7</u>	<u>27.8</u>	0.55 J	U	<u>36.1</u>	U	5
Styrene	U	U	U	U	U	U	U	5
Tetrachloroethylene	U	U	0.76 J	0.26 J	1.9	U	0.41 J	5
Toluene	0.72 J	3.4	<u>15.9</u>	0.31 J	U	<u>37.8</u>	U	5
Trans-1,2-Dichloroethene	U	U	U	U	U	U	U	5
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	0.4
Trichloroethylene	U	U	U	U	U	U	U	5
Trichlorofluoromethane	U	U	U	U	U	U	U	5
Vinyl Chloride	U	U	U	U	U	U	U	2
Total BTEX	36.61	532.9	169.4	3.46	0	534.2	0	--
Total Volatile Compounds	75.9	1324	352.4	8.03	3	1106.5	1.23	--

Footnotes/Qualifiers:

ug/l: Micrograms per liter

J: Estimated value or limit

--: No standard

Exceeds Class GA Standard or Guidance Value

U: Analyzed for but not detected

TABLE 2
SUMMARY OF DETECTED VOCs IN GROUNDWATER SAMPLES
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Sample ID Sampling Date Units	MW-8 12/12/2023 ug/l	MW-9 12/12/2023 ug/l	MW-10D 11/29/2023 ug/l	MW-12 12/13/2023 ug/l	MW-13D 12/13/2023 ug/l	MW-14 12/13/2023 ug/l	MW-15 12/13/2023 ug/l	NYSDEC Standard or Guidance Value ug/l
VOLATILE COMPOUNDS								
1,1,1-Trichloroethane	U	U	U	U	U	U	U	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	U	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	U	U	U	1
1,1-Dichloroethane	U	U	U	U	U	U	U	5
1,1-Dichloroethene	U	U	U	U	U	U	U	5
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	5
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	5
1,2-Dibromo-3-Chloropropane	U	U	U	U	U	U	U	0.04
1,2-Dibromoethane	U	U	U	U	U	U	U	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	U	U	3
1,2-Dichloroethane	U	U	U	U	U	U	U	0.6
1,2-Dichloropropane	U	U	U	U	U	U	U	1
1,3-Dichlorobenzene	U	U	U	U	U	U	U	3
1,4-Dichlorobenzene	U	U	U	U	U	U	U	3
1,4-Dioxane (P-Dioxane)	NA	NA	NA	U	NA	U	NA	--
2-Butanone (MEK)	U	U	U	U	U	U	U	50
2-Hexanone	U	U	U	U	U	U	U	50
4-Methyl-2-pentanone (MIBK)	U	U	U	U	U	U	U	--
Acetone	U	U	U	U	U	U	U	50
Benzene	U	U	U	<u>82.7</u>	<u>1.3</u>	0.52 J	U	1
Bromochloromethane	U	U	U	U	U	U	U	5
Bromodichloromethane	U	U	U	U	U	U	U	50
Bromoform	U	U	U	U	U	U	U	50
Bromomethane	U	U	U	U	U	U	U	5
Carbon Disulfide	U	U	U	U	U	U	U	60
Carbon Tetrachloride	U	U	U	U	U	U	U	5
Chlorobenzene	U	U	U	U	U	U	U	5
Chloroethane	U	U	U	U	U	U	U	5
Chloroform	U	1.1	1.1	U	0.63 J	U	<u>9.2</u>	7
Chloromethane	U	U	U	U	U	U	U	5
Cis-1,2-Dichloroethylene	U	U	U	0.71 J	U	U	U	5
Cis-1,3-Dichloropropene	U	U	U	U	U	U	U	0.4
Cyclohexane	U	U	U	U	U	4.1 J	U	--
Dibromochloromethane	U	U	U	U	U	U	U	50
Dichlorodifluoromethane	U	U	U	U	U	U	U	5
Ethylbenzene	U	0.92 J	U	<u>73.8</u>	2.2	<u>10</u>	U	5
Isopropylbenzene	U	U	U	<u>13</u>	0.49 J	<u>57.2</u>	U	5
M,P-Xylenes	U	1.4 J	U	<u>8.5</u>	0.38 J	0.76 J	U	5
Methyl Acetate	U	U	U	U	U	U	U	--
Methyl tert-butyl ether	U	U	U	<u>28.7</u>	U	U	U	10
Methylcyclohexane	U	U	U	2.2	U	6	U	--
Methylene Chloride	U	U	U	U	U	U	U	5
O-Xylene	U	U	U	<u>15.7</u>	0.44 J	3	U	5
Styrene	U	U	U	U	U	0.88 J	U	5
Tetrachloroethylene	U	0.62 J	1.9	0.26 J	0.85 J	U	1.1	5
Toluene	U	U	U	1.4	U	0.44 J	U	5
Trans-1,2-Dichloroethene	U	U	U	0.47 J	U	U	U	5
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	0.4
Trichloroethylene	U	U	U	<u>Z</u>	U	U	U	5
Trichlorofluoromethane	U	U	U	U	U	U	U	5
Vinyl Chloride	U	U	U	U	U	U	U	2
Total BTEX	0	2.32	0	182.1	4.32	14.72	0	--
Total Volatile Compounds	0	6.36	3	416.54	10.61	97.62	10.3	--

Footnotes/Qualifiers:

ug/l: Micrograms per liter

J: Estimated value or limit

--: No standard

Exceeds Class GA Standard or Guidance Value

U: Analyzed for but not detected

TABLE 2
SUMMARY OF DETECTED VOCs IN GROUNDWATER SAMPLES
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Sample ID Sampling Date Units	MW-16D 12/13/2023 ug/l	MW-17 12/13/2023 ug/l	NYSDEC Standard or Guidance Value ug/l
VOLATILE COMPOUNDS			
1,1,1-Trichloroethane	U	U	5
1,1,2,2-Tetrachloroethane	U	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	5
1,1,2-Trichloroethane	U	U	1
1,1-Dichloroethane	U	U	5
1,1-Dichloroethene	U	U	5
1,2,3-Trichlorobenzene	U	U	5
1,2,4-Trichlorobenzene	U	U	5
1,2-Dibromo-3-Chloropropane	U	U	0.04
1,2-Dibromoethane	U	U	0.0006
1,2-Dichlorobenzene	U	U	3
1,2-Dichloroethane	U	U	0.6
1,2-Dichloropropane	U	U	1
1,3-Dichlorobenzene	U	U	3
1,4-Dichlorobenzene	U	U	3
1,4-Dioxane (P-Dioxane)	NA	NA	--
2-Butanone (MEK)	U	U	50
2-Hexanone	U	U	50
4-Methyl-2-pentanone (MIBK)	U	U	--
Acetone	U	U	50
Benzene	U	U	1
Bromochloromethane	U	U	5
Bromodichloromethane	U	U	50
Bromoform	U	U	50
Bromomethane	U	U	5
Carbon Disulfide	U	U	60
Carbon Tetrachloride	U	U	5
Chlorobenzene	U	U	5
Chloroethane	U	U	5
Chloroform	<u>8.4</u>	<u>29.2</u>	7
Chloromethane	U	U	5
Cis-1,2-Dichloroethylene	U	U	5
Cis-1,3-Dichloropropene	U	U	0.4
Cyclohexane	U	U	--
Dibromochloromethane	U	U	50
Dichlorodifluoromethane	U	U	5
Ethylbenzene	U	U	5
Isopropylbenzene	U	U	5
M,P-Xylenes	U	U	5
Methyl Acetate	U	U	--
Methyl tert-butyl ether	U	U	10
Methylcyclohexane	U	U	--
Methylene Chloride	U	U	5
O-Xylene	U	U	5
Styrene	U	U	5
Tetrachloroethylene	1.4	0.6	5
Toluene	U	U	5
Trans-1,2-Dichloroethene	U	U	5
Trans-1,3-Dichloropropene	U	U	0.4
Trichloroethylene	U	U	5
Trichlorofluoromethane	U	U	5
Vinyl Chloride	U	U	2
Total BTEX	0	0	--
Total Volatile Compounds	9.8	29.8	--

Footnotes/Qualifiers: ug/l: Micrograms per liter J: Estimated value or limit

--: No standard

U: Analyzed for but not detected

Exceeds Class GA Standard or Guidance Value

TABLE 3
SUMMARY OF DETECTED SVOC IN GROUNDWATER SAMPLES
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Sample ID Sampling Date	MW-2 12/12/2023	MW-3 12/12/2023	MW-4 12/12/2023	MW-6 11/29/2023	MW-12 12/13/2023	MW-14 12/13/2023	NYSDEC Standard or Guidance Value
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
SEMIVOLATILE COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	U	U	U	U	U	U	
2,3,4,6-Tetrachlorophenol	U	U	U	U	U	U	
2,4,5-Trichlorophenol	U	U	U	U	U	U	1
2,4,6-Trichlorophenol	U	U	U	U	U	U	1
2,4-Dichlorophenol	U	U	U	U	U	U	5
2,4-Dimethylphenol	U	U	U	12.3	U	U	50
2,4-Dinitrophenol	U	U	U	U	U	U	10
2,4-Dinitrotoluene	U	U	U	U	U	U	5
2,6-Dinitrotoluene	U	U	U	U	U	U	5
2-Chloronaphthalene	U	U	U	U	U	U	10
2-Chlorophenol	U	U	U	U	U	U	1
2-Methylnaphthalene	34.8	U	U	U	U	330 D	--
2-Methylphenol	U	U	U	U	U	U	1
2-Nitroaniline	U	U	U	U	U	U	5
2-Nitrophenol	U	U	U	U	U	U	1
3,3-Dichlorobenzidine	U	U	U	U	U	U	5
3-Nitroaniline	U	U	U	U	U	U	5
3&4-Methylphenol	U	U	U	U	U	U	1
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	1
4-Bromophenyl-phenylether	U	U	U	U	U	U	--
4-Chloro-3-methylphenol	U	U	U	U	U	U	1
4-Chloroaniline	U	U	U	U	U	U	5
4-Chlorophenylphenyl ether	U	U	U	U	U	U	--
4-Nitroaniline	U	U	U	U	U	U	5
4-Nitrophenol	U	U	U	U	U	U	1
Acenaphthene	U	U	U	U	23.8	75	20
Acenaphthylene	U	U	U	U	U	U	--
Acetophenone	U	U	U	U	U	U	--
Anthracene	U	U	U	U	U	8.7 J	50
Atrazine	U	U	U	U	U	U	7.5
Benzaldehyde	U	U	U	U	U	U	--
Benzo(a)anthracene	U	U	U	U	U	U	0.002
Benzo(a)pyrene	U	U	U	U	U	U	ND
Benzo(b)fluoranthene	U	U	U	U	U	U	0.002
Benzo(ghi)perylene	U	U	U	U	U	U	--
Benzo(k)fluoranthene	U	U	U	U	U	U	0.002
Biphenyl	U	U	U	U	3.6 J	20.6	5
Bis(2-chloroisopropyl)ether	U	U	U	U	U	U	--
Bis(2-chloroethoxy)methane	U	U	U	U	U	U	5
Bis(2-chloroethyl)ether	U	U	U	U	U	U	1
Bis(2-ethylhexyl)phthalate (BEHP)	U	U	U	U	U	U	5
Benzyl butyl phthalate	U	U	U	U	U	U	50
Caprolactam	U	U	U	U	U	U	--
Carbazole	3 J	U	U	U	U	U	--
Chrysene	U	U	U	U	U	U	0.002
Dibenzo(a,h)anthracene	U	U	U	U	U	U	--
Dibenzofuran	U	U	U	U	U	U	--

Next page for footnotes/qualifiers

TABLE 3
SUMMARY OF DETECTED SVOC IN GROUNDWATER SAMPLES
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Sample ID Sampling Date Units	MW-2 12/12/2023 ug/l	MW-3 12/12/2023 ug/l	MW-4 12/12/2023 ug/l	MW-6 11/29/2023 ug/l	MW-12 12/13/2023 ug/l	MW-14 12/13/2023 ug/l	NYSDEC Standard or Guidance Value ug/l
COMPOUNDS CONTINUED							
Diethyl phthalate	U	U	U	U	U	U	50
Dimethyl phthalate	U	U	U	U	U	U	50
Di-n-butyl phthalate	U	U	U	U	U	U	50
Di-n-octyl phthalate	U	U	U	U	U	U	50
Fluoranthene	U	U	U	U	U	U	50
Fluorene	U	U	U	U	7.2	25.6	50
Hexachlorobenzene	U	U	U	U	U	U	0.04
Hexachlorobutadiene	U	U	U	U	U	U	0.5
Hexachlorocyclopentadiene	U	U	U	U	U	U	5
Hexachloroethane	U	U	U	U	U	U	5
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	0.002
Isophorone	U	U	U	U	U	U	50
Naphthalene	<u>130</u> D	<u>15.7</u>	U	7.6	<u>49.7</u>	<u>1700</u> D	10
Nitrobenzene	U	U	U	U	U	U	0.4
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	--
N-Nitrosodiphenylamine	U	U	U	U	U	U	50
Pentachlorophenol	U	U	U	U	U	U	1
Phenanthrene	U	U	U	U	7.6	47.6	50
Phenol	U	U	U	U	U	U	1
Pyrene	U	U	U	U	U	7 J	50
Total Semivolatile Compounds	167.8	15.7	0	19.9	91.9	2214.5	--

Footnotes/Qualifiers:

ug/l: Micrograms per liter

--: No standard

ND: Any detect exceeds limit

U: Analyzed for but not detected

J: Estimated value or limit

D: Detected at secondary dilution

Exceeds Class GA Standard or Guidance Value

TABLE 4
SUMMARY OF DETECTED VOCs IN QUALITY CONTROL SAMPLES
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Sample ID Sampling Date Units	TRIP BLANK 12/13/2023 ug/l	FIELD-BLANK 12/13/2023 ug/l	NYSDEC Standard or Guidance Value ug/l
VOLATILE COMPOUNDS			
1,1,1-Trichloroethane	U	U	5
1,1,2,2-Tetrachloroethane	U	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	5
1,1,2-Trichloroethane	U	U	1
1,1-Dichloroethane	U	U	5
1,1-Dichloroethene	U	U	5
1,2,3-Trichlorobenzene	U	U	5
1,2,4-Trichlorobenzene	U	U	5
1,2-Dibromo-3-Chloropropane	U	U	0.04
1,2-Dibromoethane	U	U	0.0006
1,2-Dichlorobenzene	U	U	3
1,2-Dichloroethane	U	U	0.6
1,2-Dichloropropane	U	U	1
1,3-Dichlorobenzene	U	U	3
1,4-Dichlorobenzene	U	U	3
1,4-Dioxane (P-Dioxane)	NA	NA	--
2-Butanone (MEK)	U	U	50
2-Hexanone	U	U	50
4-Methyl-2-pentanone (MIBK)	U	U	--
Acetone	U	U	50
Benzene	U	U	1
Bromochloromethane	U	U	5
Bromodichloromethane	U	U	50
Bromoform	U	U	50
Bromomethane	U	U	5
Carbon Disulfide	U	U	60
Carbon Tetrachloride	U	U	5
Chlorobenzene	U	U	5
Chloroethane	U	U	5
Chloroform	U	U	7
Chloromethane	U	U	5
Cis-1,2-Dichloroethylene	U	U	5
Cis-1,3-Dichloropropene	U	U	0.4
Cyclohexane	U	U	--
Dibromochloromethane	U	U	50
Dichlorodifluoromethane	U	U	5
Ethylbenzene	U	U	5
Isopropylbenzene	U	U	5
M,P-Xylenes	U	U	5
Methyl Acetate	U	U	--
Methyl tert-butyl ether	U	U	10
Methylcyclohexane	U	U	--
Methylene Chloride	U	2.1	5
O-Xylene	U	U	5
Styrene	U	U	5
Tetrachloroethylene	U	U	5
Toluene	U	U	5
Trans-1,2-Dichloroethene	U	U	5
Trans-1,3-Dichloropropene	U	U	0.4
Trichloroethylene	U	U	5
Trichlorofluoromethane	U	U	5
Vinyl Chloride	U	U	2
Total BTEX	0	0	--
Total Volatile Compounds	0	2.1	--

Footnotes/Qualifiers:

ug/l: Micrograms per liter

--: No standard

U: Analyzed for but not detected

TABLE 5
SUMMARY OF DETECTED SULFATE IN GROUNDWATER SAMPLES
2022-2023 GROUNDWATER MONITORING REPORT

Sample ID Sampling Date Units	MW-1A 5/26/2022 mg/L	MW-1A 10/18/2022 mg/L	MW-1A 4/25/2023 mg/L	MW-1A 11/29/2023 mg/L	MW-02 5/25/2022 mg/L	MW-02 10/18/2022 mg/L	MW-02 4/25/2023 mg/L	MW-02 12/12/2023 mg/L	MW-03 5/26/2022 mg/L	MW-03 10/18/2022 mg/L	MW-03 4/25/2023 mg/L	MW-03 12/12/2023 mg/L
Persulfate Sulfate	0 18.7	2.1 25.7	0 7.3	0 34.1	0 105 D	0.7 26.9	0 17.9	0 7	5.6 96.5 D	3.5 64.4 D	0.7 99.9 D	0 43.6 D

Footnotes/Qualifiers:

mg/l: Milligrams per liter

D: Detected at a secondary dilution

NA: Not analyzed

TABLE 5
SUMMARY OF DETECTED SULFATE IN GROUNDWATER SAMPLES
2022-2023 GROUNDWATER MONITORING REPORT

Sample ID Sampling Date Units	MW-04 5/26/2022 mg/L	MW-04 10/18/2022 mg/L	MW-04 4/26/2023 mg/L	MW-04 12/12/2023 mg/L	MW-05 5/25/2022 mg/L	MW-05 10/19/2022 mg/L	MW-05 4/25/2023 mg/L	MW-05 11/29/2023 mg/L	MW-06 5/26/2022 mg/L	MW-06 10/19/2022 mg/L	MW-06 4/25/2023 mg/L	MW-06 11/29/2023 mg/L
Persulfate Sulfate	4.2 87 D	0.7 59.6 D	1.4 52.3 D	0 28	0 535 D	2.1 239 D	1.4 40.5 D	0 34	0 728 D	0 359 D	0.7 57 D	0.7 138 D

Footnotes/Qualifiers:

mg/l: Milligrams per liter

D: Detected at a secondary dilution

NA: Not analyzed

TABLE 5
SUMMARY OF DETECTED SULFATE IN GROUNDWATER SAMPLES
2022-2023 GROUNDWATER MONITORING REPORT

Sample ID Sampling Date Units	MW-07 10/19/2022 mg/L	MW-07 4/26/2023 mg/L	MW-07 12/12/2023 mg/L	MW-08 10/19/2022 mg/L	MW-08 4/26/2023 mg/L	MW-08 12/12/2023 mg/L	MW-09 10/18/2022 mg/L	MW-09 4/24/2023 mg/L	MW-09 12/12/2023 mg/L	MW-10D 5/25/2022 mg/L	MW-10D 10/19/2022 mg/L	MW-10D 4/25/2023 mg/L	MW-10D 11/29/2023 mg/L
Persulfate Sulfate	0.7 57.8 D	0.7 34.7 D	0 67.3 D	5.6 49.9 D	2.8 48.4 D	0 36.8	0 60.8 D	0 58.4 D	0 42.4 D	0 34.3	0.7 34.3	0.7 26.9	1.4 28

Footnotes/Qualifiers:

mg/l: Milligrams per liter

D: Detected at a secondary dilution

NA: Not analyzed

TABLE 5
SUMMARY OF DETECTED SULFATE IN GROUNDWATER SAMPLES
2022-2023 GROUNDWATER MONITORING REPORT

Sample ID Sampling Date Units	MW-15 10/20/2022 mg/L	MW-15 4/26/2023 mg/L	MW-15 12/13/2023 mg/L	MW-16D 10/20/2022 mg/L	MW-16D 4/26/2023 mg/L	MW-16D 12/13/2023 mg/L	MW-17 10/20/2022 mg/L	MW-17 4/26/2023 mg/L	MW-17 12/13/2023 mg/L
Persulfate Sulfate	5.6 24.2	1.4 40.2 D	0 40.5 D	0 31.6	0 31.2	0 27.5	0 32.4	0.7 17.8	0.7 30.3

Footnotes/Qualifiers:

mg/l: Milligrams per liter

NA: Not analyzed

D: Detected at a secondary dilution

TABLE 6
SUMMARY OF HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT
ATLANTIC AVENUE SERVICE CENTER
2950 ATLANTIC AVENUE
BROOKLYN, NEW YORK
MW-1A

NYSDEC TOGS		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	NOV 2023
VOCs (µg/L)																
1,2,4-Trimethylbenzene	5	52	130	57	47	150	77.9	ND	ND	ND	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	10	74	15	17	47	23	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	600	500	170	98	ND	159	110	ND	ND	6.1	3	NE	2.1	1.1	33.2
Ethyl Benzene	5	88	140	47	16	77	9.06	31.3	ND	NE	NE	NE	NE	NE	NE	NE
Isopropylbenzene	5	NE	5.7	NE	NE	NE	NE	NE	ND	ND	ND	ND	NE	ND	ND	ND
m,p-Xylene	5	210	360	120	77	210	35	37	NE	NE	NE	6.6J	NE	NE	NE	NE
Methyl tert-butyl ether	10	45	31	11	NE	27	NE	NE	ND	ND	NE	ND	ND	NE	ND	NE
Naphthalene	10*	14	36	67	NE	ND	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	ND	NE	NE	ND	NE	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	5.5	7.9	NE	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	44	29	16	7.4	34	5.22	NE	ND	ND	ND	NE	ND	ND	NE	ND
Toluene	5	66	31	16	5.2	41	21.5	NE	ND	ND	ND	ND	ND	ND	ND	NE
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (µg/L)																
Benzo (a) anthracene	0.002*	0.074	ND	ND	0.0513	ND	0.0923	NA	NA	NA	ND	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.002*	0.074	ND	ND	ND	ND	0.103	NA	NA	NA	ND	NA	NA	NA	NA	NA
Benzo (k) fluoranthene	0.002*	0.074	ND	ND	ND	ND	0.133	NA	NA	NA	ND	NA	NA	NA	NA	NA
Chrysene	0.002*	0.11	ND	ND	0.0615	ND	0.185	NA	NA	NA	ND	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene	0.002*	0.063	ND	ND	ND	ND	0.0615	NA	NA	NA	ND	NA	NA	NA	NA	NA
Naphthalene	10*	NE	19.9	NE	NE	11.9	NE	NA	NA	NA	NE	NA	NA	NA	NA	NA
Phenol	1**	ND	NA	NA	NE	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA

See last page for footnotes and qualifiers.

TABLE 6
SUMMARY OF HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT
ATLANTIC AVENUE SERVICE CENTER
2950 ATLANTIC AVENUE
BROOKLYN, NEW YORK
MW-2

NYSDEC TOGS		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023
VOCs (µg/L)																
1,2,4-Trimethylbenzene	5	860	400	730	1400	680	564	ND	ND	ND	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	190	180	150	370	94	152	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	ND	ND	ND	ND	NE	ND	NE	NA	NA	51.7	NE	NE	56.2	ND	160
Benzene	1	140	64	110	150	77	47	130	75.6	280	74	210	200	180	120	41.8
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	350	240	280	320	240	216	230	120	120	39.9	290	820	700	410	200
Isopropylbenzene	5	31	25	35	47	24	23.4	35.5	28.6	52.5	21.5	47.2	62.1	50.9	30.2	24.8
m,p-Xylene	5	1400	730	1700	1900	550	756	570	240	2300	50.1	980	650	1200	760	280
Methyl tert-butyl ether	10	53	24	35	60	20	NE	15.7	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10*	710	140	370	1600	210	262	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	ND	ND	13	23	13	9.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	67	56	ND	81	42	49.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	440	150	310	520	190	119	NE	5.5	240	NE	130	52.4	43.7	16.9	7.7
sec-Butylbenzene	5	ND	NE	5.8	7.8	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	39	17	22	21	11	11.2	15.2	9.5	32	NE	21.8	7	16.9	8.6	NE
Trichloroethylene	5	NE	NE	NE	NE	6.1	NE	NE	NE	ND	ND	ND	ND	ND	NE	NE
SVOCs (µg/L)																
2,4-Dimethylphenol	50*	ND	NA	NA	ND	ND	ND	NE	NA	NA	ND	NE	NE	NE	NE	ND
Benzo (a) anthracene	0.002*	ND	0.0737	0.141	0.0718	ND	0.15	ND	NA	NA	ND	ND	ND	ND	ND	ND
Benzo (b) fluoranthene	0.002*	ND	ND	0.0706	0.1	ND	0.07	ND	NA	NA	ND	ND	ND	ND	ND	ND
Benzo (k) fluoranthene	0.002*	ND	ND	0.129	0.1	ND	0.06	ND	NA	NA	ND	ND	ND	ND	ND	ND
Chrysene	0.002*	ND	0.0632	0.165	0.0615	ND	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.0000007	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) pyrene	0.002*	ND	ND	0.106	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10*	117	146	147	219	122	135	100	64.7	64.9	30	65.6	210	270	120	130
Pentachlorophenol	1	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND
Phenanthrene	50*	ND	ND	ND	2.3	ND	NE	ND	ND	ND	ND	ND	NE	NE	ND	ND
Phenol	1**	ND	NA	NE	ND	ND	NA	3.6	ND	ND	ND	2.2	ND	ND	ND	ND

See last page for footnotes and qualifiers.

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SUMMARY OF HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS
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ATLANTIC AVENUE SERVICE CENTER
2950 ATLANTIC AVENUE
BROOKLYN, NEW YORK
MW-3

NYSDEC TOGS		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023
VOCs (µg/L)																
1,2,4-Trimethylbenzene	5	1,400	610	1300	1,100	1,100	536	ND	ND	ND	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	180	32	150	180	150	50.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoluene	5	NA	NA	ND	NA	6.7	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	ND	NE	NE	ND	NE	NE	NE	NE	NE	NE	ND	NE	NE	ND	ND
Benzene	1	190	120	48	90	74	31	76.1	54.2	75.9	67.6	84.4	22.6	12.9	6.1	NE
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE	NE	15.5	9.5
cis-1,2-Dichloroethene	5	ND	NE	ND	NE	NE	ND	NE	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	830	360	460	250	410	240	330	310	660	610	1400	410	240	370	45.1
Isopropylbenzene	5	61	37	44	51	57	25.6	24.1	21.3	34.6	24.9	74.3	17.9	33.2	25	NE
m,p-Xylene	5	1400	540	830	730	650	449	410	230	200	100	13.9	1200	640	240	80.3
Methyl tert-butyl ether	10	NE	NE	NE	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10*	360	140	520	120	200	116	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	28	16	25	24	22	12	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	150	90	100	98	120	76.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	260	52	130	280	93	39.9	NE	41	72.8	39.9	29.8	160	36	110	27.8
p-Isopropyltoluene	5	6.4	NE	6.3	7.8	6.7	6.12	NA	NA	NA	NA	NA	NA	NA	NA	NE
sec-Butylbenzene	5	ND	6.8	8.4	9.2	6.5	7.94	NA	NA	NA	NA	NA	NA	NA	NA	15.9
Styrene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	NE	5.1	NE	NE	NE	NE	NE	NE	NE	ND	0.73	1.1	NE	ND
Toluene	5	77	28	23	24	40	24.1	40.4	21.7	24.6	26.1	42.9	180	68.2	120	15.7
Trichloroethene	5	NE	NE	NE	NE	NE	NE	ND	NE	NE	ND	ND	ND	ND	ND	ND
SVOCs (µg/L)																
Benzo (a) anthracene	0.002*	ND	ND	ND	0.0923	0.144	0.103	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ND	ND	NA	NE	NA	NA	ND	ND	ND	NE	ND	ND	ND	ND	ND
Chrysene	0.002*	ND	ND	ND	0.0718	0.133	0.0923	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	96.1	ND	ND
Isophorone	50	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	56.7	ND	ND
Naphthalene	10*	127	58.4	126	103	33.7	141	84.3	55.3	55.3	140	66.1	210	240	110	15.7
Nitrobenzene	0.4	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	5.5	ND	ND
Phenol	1**	ND	ND	NA	ND	NA	NA	5.6	2.4	2.4	ND	ND	ND	ND	ND	ND

NYSDEC TOGS		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023
VOCs (µg/L)																
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
Chloroform	7	ND	NE	ND	NE	NE	NE	ND	ND	ND	NE	ND	NE	NE	NE	NE
Ethyl Benzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	NE	NE	NE	NE
m,p-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.7	NE	NE	NE
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND
Tetrachloroethene	5	5.6	6.7	NE	ND	NE	NE	NE	ND	ND	ND	ND	ND	NE	ND	ND
SVOCs (µg/L)																
Naphthalene	10*	ND	ND	ND	ND	NE	NE	NA	NA	NA	NA	NA	NA	NA	ND	ND
Phenanthrene	50*	ND	ND	ND	ND	NE	NE	NA	NA	NA	ND	NA	NA	NA	ND	ND
Phenol	1**	ND	ND	ND	ND	NE	NE	NA	NA	NA	3.4	NA	NA	NA	ND	ND

See last page for footnotes and qualifiers.

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SUMMARY OF HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS
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ATLANTIC AVENUE SERVICE CENTER
2950 ATLANTIC AVENUE
BROOKLYN, NEW YORK
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NYSDEC TOGS		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023
VOCs (µg/L)																
1,2,4-Trimethylbenzene	5	NE	NE	NE	NE	NE	0.51	ND	ND	ND	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NE	5.1	NE	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	47	47	150	27	55	25.5	13	13.6	10.1	26.7	100	4.4	NE	NE	ND
Chloroform	7	NE	ND	ND	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	NE	NE	9.1	NE	NE	NE	NE	ND	NE	NE	NE	NE	NE	NE	ND
Isopropylbenzene	5	NE	NE	9.5	NE	NE	NE	NE	NE	NE	NE	30.3	NE	ND	ND	ND
m,p-Xylene	5	8	18	31	5.3	5.4	NE	NE	NE	5.4	7.4J	25	ND	ND	NE	ND
Methyl tert-butyl ether	10	22	28	70	23	23	20.8	NE	ND	22.8	24	23.4	10.3	NE	ND	ND
Naphthalene	10*	NE	19	NE	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	ND	NE	ND	NE	NE	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NE	NE	NE	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	NE	NE	7.4	NE	NE	NE	NE	NE	NE	NE	NE	ND	ND	NE	ND
Tetrachloroethene	5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ND
Toluene	5	NE	5.1	5.1	NE	NE	NE	NE	NE	NE	NE	NE	ND	ND	ND	ND
SVOCs (µg/L)																
Benzo (a) anthracene	0.002*	0.082	0.0706	0.0848	ND	ND	0.0513	NA	NA	NA	ND	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.002	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.002*	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA
Benzo (k) fluoranthene	0.002*	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA
Chrysene	0.002*	0.062	ND	0.0727	ND	ND	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene	0.002*	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA
Naphthalene	10*	NE	NE	NE	NE	NE	NE	NA	NA	NA	NE	NA	NA	NA	NA	NA
Phenol	1**	ND	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA

See last page for footnotes and qualifiers.

TABLE 6
SUMMARY OF HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT
ATLANTIC AVENUE SERVICE CENTER
2950 ATLANTIC AVENUE
BROOKLYN, NEW YORK
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NYSDEC TOGS		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	NOV 2023
VOCs (µg/L)																
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND
1,2,4-Trimethylbenzene	5	410	650	1100	880	970	1270	ND	ND	ND	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	66	510	260	220	280	271	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	24	54	ND	130	NE	ND	NE	NE	NE	ND	56.6	71.3	NE	ND	NE
Benzene	1	1100	630	470	780	710	1840	990	290	960	1500	2100	830	730	240	250
Ethyl Benzene	5	400	190	280	570	230	738	720	180	490	840	1900	420	360	98.5	80.3
Isopropylbenzene	5	23	24	18	ND	20	34.8	33.5	13.1	25.5	47.8J	110	27.1	20.5	6.7	5.1
m,p-Xylene	5	1300	260	3800	2600	1600	3480	2800	1300	3000	2800	5000	480	490	1300	130
Methyl tert-butyl ether	10	96	25	22	ND	35	101	67.2	ND	ND	ND	120	25.6	12.8	23.6	ND
Naphthalene	10*	67	78	6400	170	160	186	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	ND	ND	14	ND	16	19.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	32	24	17	38	21	47.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	590	800	1800	970	1000	1190	860	450	1100	830	2200	130	140	580	36.1
Toluene	5	590	12	ND	1300	300	1860	290	200	410	740	1000	140	38.3	54.5	37.8
SVOCs (µg/L)																
2,4-Dimethylphenol	50*	NE	NE	NA	ND	NA	ND	NA	ND	ND	NE	260	64.3	NE	89.9	ND
2-Methylphenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	5.9	ND
3+4-Methylphenols	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	4.9	ND
Acenaphthene	20*	NE	NE	NE	NE	ND	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) anthracene	0.002*	ND	ND	ND	0.1	ND	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.002*	ND	ND	0.151	0.08	ND	0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (b) fluoranthene	0.002*	ND	ND	ND	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (k) fluoranthene	0.002*	ND	ND	ND	0.06	ND	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002*	ND	ND	ND	0.1	ND	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) pyrene	0.002*	ND	ND	ND	0.05	ND	0.0923	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10*	30.2	30.2	69.4	136	74.8	116	170	58.5	58.5	93.3	11.7	97.8	37.4	25.1	NE
Nitrobenzene	0.4	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	2.1	ND	ND
Phenanthrene	50*	NE	NE	NE	NE	ND	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	1**	ND	ND	NA	ND	NA	NA	12.7	2.4	2.4	2.9	ND	9.9	3.7	5.1	ND

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SUMMARY OF HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS
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ATLANTIC AVENUE SERVICE CENTER
2950 ATLANTIC AVENUE
BROOKLYN, NEW YORK
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NYSDEC TOGS		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023
VOCs (µg/L)																
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
Chloroform	7	ND	ND	ND	NE	ND	NE	ND	ND	ND	ND	NE	ND	NE	NE	NE
Chloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	NE	NE
m,p-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE	NE	NE
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Tetrachloroethene	5	6	6	8.4	5.4	NE	NE	NE	ND	ND	NE	NE	NE	NE	NE	NE
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (µg/L)																
Naphthalene	10*	ND	ND	ND	ND	ND	NE	NA	NA	NA	ND	NA	NA	NA	NA	NA
Phenanthrene	50*	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA
Phenol	1**	ND	ND	ND	ND	ND	ND	NA	NA	NA	4.3	NA	NA	NA	NA	NA

NYSDEC TOGS		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023
VOCs (µg/L)																
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	NE	NE	NE	NE	12	NE	NE	NE	NE	18.6	24.2	NE	NE	13.9	NE
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND
m,p-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE	NE	NE
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND
Tetrachloroethene	5	6.7	NE	NE	NE	NE	NE	NE	ND	NE	NE	NE	NE	ND	NE	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND
SVOCs (µg/L)																
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Naphthalene	10*	ND	ND	ND	ND	NE	NE	NA	NA	NA	ND	NA	NA	NA	NA	NA
Phenol	1**	ND	ND	ND	ND	NA	NA	NA	NA	NA	4.9	NA	NA	NA	NA	NA

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2950 ATLANTIC AVENUE
BROOKLYN, NEW YORK
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NYSDEC TOGS		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023
VOCs (µg/L)																
1,2,4-Trimethylbenzene	5	ND	ND	ND	NE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	ND	ND	ND	NE	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	ND	ND	ND	4.8	ND	4.15	2.1	ND	ND	3.4	ND	6.1	NE	2.1	ND
cis-1,2-Dichloroethene	5	ND	ND	NE	NE	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE	NE	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	NE	ND	ND	ND	NE	NE	NE	ND	NE	ND
m,p-Xylene	5	ND	ND	ND	NE	ND	ND	ND	ND	ND	ND	ND	NE	NE	ND	ND
Methyl tert-butyl ether	10	NE	ND	NE	NE	NE	ND	NE	ND	ND	ND	ND	NE	NE	NE	NE
o-Xylene	5	ND	ND	ND	NE	ND	ND	ND	ND	ND	ND	NE	NE	ND	ND	ND
Tetrachloroethene	5	NE	NE	NE	6.1	NE	ND	NE	NE	NE	NE	NE	NE	NE	NE	NE
Trichloroethene	5	NE	NE	NE	NE	NE	NE	ND	NE	NE	NE	ND	NE	NE	NE	NE
SVOCs (µg/L)																
Naphthalene	10*	ND	ND	ND	NE	NE	NE	NA	NA	NA	ND	NA	NA	NA	NA	NA
Phenanthrene	50*	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA
Phenol	1**	ND	ND	ND	ND	ND	ND	NA	NA	NA	5.4	NA	NA	NA	NA	NA

NYSDEC TOGS		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023
VOCs (µg/L)																
1,2,4-Trimethylbenzene	5	ND	NE	NE	NE	NE	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	ND	NE	NE	NE	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	NE	NE	2.1	ND	ND	ND	NE	ND	ND	ND	1.1	ND	ND	ND	ND
Chloroform	7	NE	NE	NE	ND	NE	NE	NE	ND	7.7	NE	NE	NE	8	NE	NE
Ethyl Benzene	5	NE	NE	NE	NE	ND	ND	NE	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	5	NE	NE	11	NE	ND	ND	NE	ND	ND	ND	ND	ND	ND	NE	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND	NE	ND	NE	ND	ND	ND	ND	ND	ND
Naphthalene	10*	NE	NE	12	NE	NE	NE	NA	ND	ND	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	ND	ND	NE	ND	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA
o-Xylene	5	NE	NE	NE	NE	NE	ND	ND	ND	ND	ND	NE	ND	ND	NE	ND
Tetrachloroethene	5	5.2	NA	NE	12	6	6.6	13.5	ND	13.6	15.3	7	8	6.5	NE	NE
Toluene	5	NE	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (µg/L)																
Acenaphthene	20*	NE	NE	NE	NE	NE	NE	NA	NA	NA	ND	NA	NA	NA	NA	NA
Naphthalene	10*	NE	NE	NE	NE	NE	NE	NA	NA	NA	NE	NA	NA	NA	NA	NA

See last page for footnotes and qualifiers.

TABLE 6
SUMMARY OF HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT
ATLANTIC AVENUE SERVICE CENTER
2950 ATLANTIC AVENUE
BROOKLYN, NEW YORK

		NYSDEC TOGS		MW-11											
		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023
VOCs (µg/L)															
Chloroform	7	NE	NE	NE	NE	NE	NE	ND	ND	ND	NE	NE	NE	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Tetrachloroethene	5	6.7	NE	NE	7.7	NE	NE	NE	NE	NE	NE	NE	ND	NE	NE
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (µg/L)															
Benzo (b) fluoranthene	0.002*	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	5	NE	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002*	ND	ND	0.0632	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene	0.002*	ND	ND	0.0632	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	ND	ND	ND	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA

		NYSDEC TOGS		MW-12													
		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023	
VOCs (µg/L)																	
1,2-Dibromo-3-Chloropropane														1.6	ND	ND	
1,2,4-Trimethylbenzene	5	840	NE	540	980	120	479	ND	ND	ND	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	5	230	NE	140	240	29	117	NA	NA	NA	NA	NA	NA	NA	NA	NA	
4-Isopropyltoluene	5	NA	NA	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzene	1	ND	17	ND	12	1.7	11.3	5.6	4.7	11.1	7.4	200	3.7	3.6	6.2	82.7	
Chloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5	6.6	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND	ND	NE	
Ethyl Benzene	5	370	16	290	500	62	418	320	280	690	430	250	300	170	300	73.8	
Isopropylbenzene	5	160	NE	110	190	24	109	120	120	150	95.3	34	110	62.5	100	13	
Methyl tert-butyl ether	10	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	28.7	
m,p-Xylene	5	72	NE	530	75	9.4	120	36	31.8	120	140	1000	33.3	19.8	27.5	8.5	
Naphthalene	10*	5100	12	5300	3400	3800	2290	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Butylbenzene	5	ND	ND	ND	18	NE	13.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	
p-Isopropyltoluene	5	19	NE	ND	23	NE	14.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	5	100	NE	74	140	16	80.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	
o-Xylene	5	30	5.1	ND	30	6.4	98.7	24.3	21.8	110	140	130	34.4	20.6	28.9	15.7	
Trichloroethene	5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	7	
Toluene	5	ND	NE	NE	ND	NE	5.3	2.2	NE	7.3	6.5	19.6	NE	NE	NE	NE	
SVOCs (µg/L)																	
1,1-Biphenyl	5													68.2	59.1	NE	
Acenaphthene	20*	ND	33.4	96	84.1	ND	74.1	87.5	74.4	74.4	94.9	55.5	75.1	76.3	68.3	23.8	
Benzo (a) anthracene	0.002*	ND	0.147	0.367	0.185	ND	0.164	ND	ND	ND	5.8	ND	ND	ND	ND	ND	
Benzo (a) pyrene	0.002*	ND	ND	0.267	0.0615	ND	0.103	ND	ND	ND	5.4	ND	ND	ND	ND	ND	
Benzo (b) fluoranthene	0.002*	ND	ND	0.122	ND	ND	ND	ND	ND	ND	3.6	ND	ND	ND	ND	ND	
Chrysene	0.002*	ND	0.107	0.367	0.154	ND	0.164	ND	ND	ND	4.9	ND	ND	ND	ND	ND	
Naphthalene	10*	2170	NE	2,140	3,520	3,740	685	2,000	2,000	2,000	1,700	1,100	800	1,200	1400	49.7	
Phenanthrene	50*	ND	NE	NE	52.4	NE	NE	NE	NE	NE	69.2	NE	45.2	42.4	NE	NE	
Phenol	1**	ND	NE	NE	NE	NE	NE	NE	NE	NE	6.7	NE	ND	ND	ND	ND	

See last page for footnotes and qualifiers.

TABLE 6
SUMMARY OF HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT
ATLANTIC AVENUE SERVICE CENTER
2950 ATLANTIC AVENUE
BROOKLYN, NEW YORK
MW-13D

NYSDEC TOGS		MAR 2016	DEC 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023
VOCs (µg/L)																
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	NE	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
4-Isopropyltoluene	5	NA	NA	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3
Naphthalene	10*	ND	ND	ND	3.5	16	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethylene	5	NE	NE	ND	0.89	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
SVOCs (µg/L)																
Acenaphthene	20*	NE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (a) anthracene	0.002*	ND	ND	0.119	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.002	ND	ND	0.238	0.133	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.002*	ND	ND	0.108	0.0615	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	5	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002*	ND	ND	0.184	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene	0.002*	ND	ND	0.249	0.133	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	ND	ND	NE	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50*	ND	ND	NE	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

NYSDEC TOGS		MW-14														
		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023
VOCs (µg/L)																
1,2,4-Trimethylbenzene	5	700	680	570	550	580	416	ND	ND	ND	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	90	39	38	52	41	24.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoluene	5	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	54	48	35	35	29	20.2	21.4	22.1	20.1	15.8	29.5	16.4	15	20.6	10
Isopropylbenzene	5	76	97	74	120	80	58.5	88	90.1	91.3	83.5	140	93.6	32.7	NE	57.2
m,p-Xylene	5	ND	5.3	13	NE	NE	ND	NE	NE	NE	NE	ND	NE	NE	NE	NE
Naphthalene	10*	6900	2700	1300	NT	2600	1910	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	ND	ND	12	13	12	12	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	66	100	70	110	71	55.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	37	18	24	NE	14	9	8.2	8.2	7.2	5.4	9.5	5.5	4.4	8	NE
p-Isopropyltoluene	5	18	18	15	20	16	11.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	ND	5.1	ND	NE	NE	ND	NE	NE	NE	NE	ND	NE	NE	NE	NE
SVOCs (µg/L)																
1,1-Biphenyl	5													37	30.9	20.6
Acenaphthene	20*	ND	271	104	ND	96.9	92.6	82.1	74.4	74.4	100	78.9	96.3	110	79	75
Benzo (a) anthracene	0.002*	ND	ND	ND	0.368	ND	0.0718	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) pyrene	0.002	ND	ND	ND	0.463	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (b) fluoranthene	0.002*	ND	ND	ND	0.168	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (k) fluoranthene	0.002*	ND	ND	ND	0.126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002*	ND	ND	ND	0.295	ND	0.0821	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) pyrene	0.002*	ND	ND	ND	0.653	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10*	1320	4080	1480	1280	3240	2210	2300	2100	2100	1900	1600	1600	2000	2000	1700
Nitrobenzene	0.4													14.3	ND	ND
Phenanthrene	50*	ND	NE	NE	NE	NE	NE	NE	NE	NE	54.3	50.5	NE	NE	NE	NE

See last page for footnotes and qualifiers.

TABLE 6
SUMMARY OF HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS
2023 SECOND HALF SEMI-ANNUAL GROUNDWATER MONITORING REPORT
ATLANTIC AVENUE SERVICE CENTER
2950 ATLANTIC AVENUE
BROOKLYN, NEW YORK
MW-15

	NYSDEC TOGS	MW-15														
		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023
VOCs (µg/L)																
Benzene	1	ND	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	9.1	NE	NE	9.2
Methyl tert-butyl ether	10	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND	ND
Tetrachloroethene	5	NE	NE	8.4	17	5.7	6.36	NE	NE	NE	NE	NE	NE	NE	NE	NE
Trichloroethene	5	ND	NE	NE	NE	NE	NE	NE	NE	NE	ND	ND	ND	ND	ND	ND
SVOCs (µg/L)																
Phenol	1**	ND	ND	ND	NE	NE	ND	NA	NA	NA	4	NA	NA	NA	NA	NA

	NYSDEC TOGS	MW-16D														
		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023
VOCs (µg/L)																
Chloroform	7	NE	NE	NE	NE	NE	NE	NE	ND	ND	NE	NE	11.2	NE	NE	8.4
Methyl tert-butyl ether	10	NE	NE	NE	ND	ND	ND	NE	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	6	9.4	14	15	7.8	8.3	NE	ND	NE	NE	NE	NE	NE	NE	NE
SVOCs (µg/L)																
Phenol	1**	ND	ND	NE	ND	NE	ND	NA	NA	NA	4.3	NA	NA	NA	NA	NA

	NYSDEC TOGS	MW-17															
		MAR 2016	DEC. 2016	MAY 2017	NOV 2017	JULY 2018	DEC 2018	NOV 2019	DEC 2019	JUNE/JULY 2020	NOV 2020	JUNE 2021	MAY 2022	OCT 2022	APR 2023	DEC 2023	
VOCs (µg/L)																	
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND	
Chloroform	7	NE	NE	NE	ND	NE	NE	NE	NE	NE	NE	NE	20.3	9.9	12.4	7.3	29.2
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE	ND	ND	ND	
Tetrachloroethene	5	13	29	19	7.4	NE	NE	NE	ND	NE	NE	NE	NE	NE	NE	NE	
SVOCs (µg/L)																	
Phenol	1**	ND	ND	ND	ND	ND	ND	NA	NA	NA	3	NA	NA	NA	NA	NA	

Notes:

- Groundwater samples were compared to New York State Department of Environmental Conservation (NYSDEC) Technical and Operations Guidance Series (TOGS) Ambient Water Quality Standards (AWQS) and Guidance Values.
- Only exceedances of TOGS are presented.
- VOCs = volatile organic compounds.
- SVOCs = semi-volatile organic compounds.
- µg/L = micrograms per liter.

Qualifiers:

* = Value is a TOGS Guidance Value and not a standard.

** = Applies to total phenols.

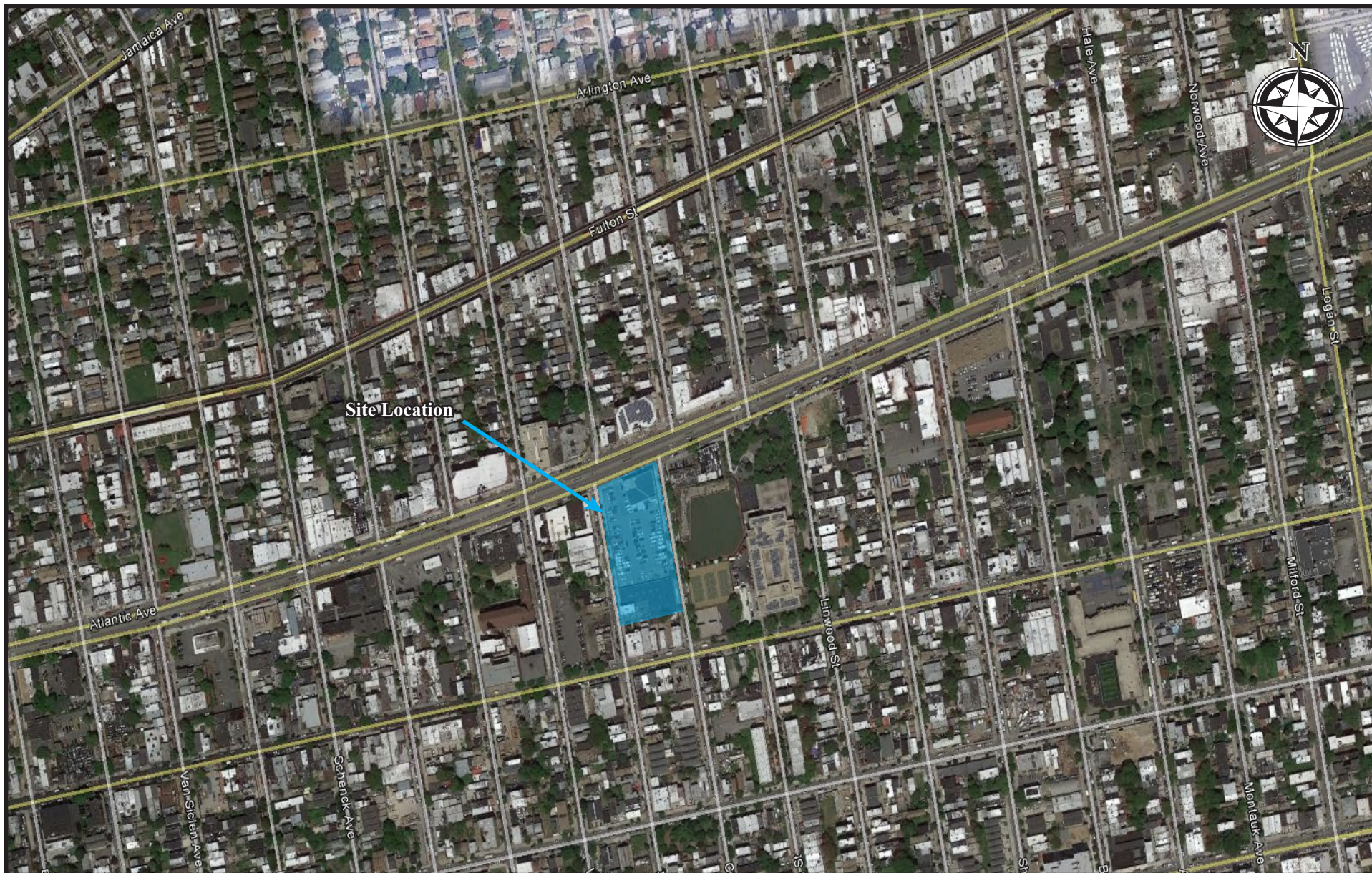
NA = Not Analyzed.

NS = Not Sampled.

NE = No Exceedance.

ND = Not Detected.

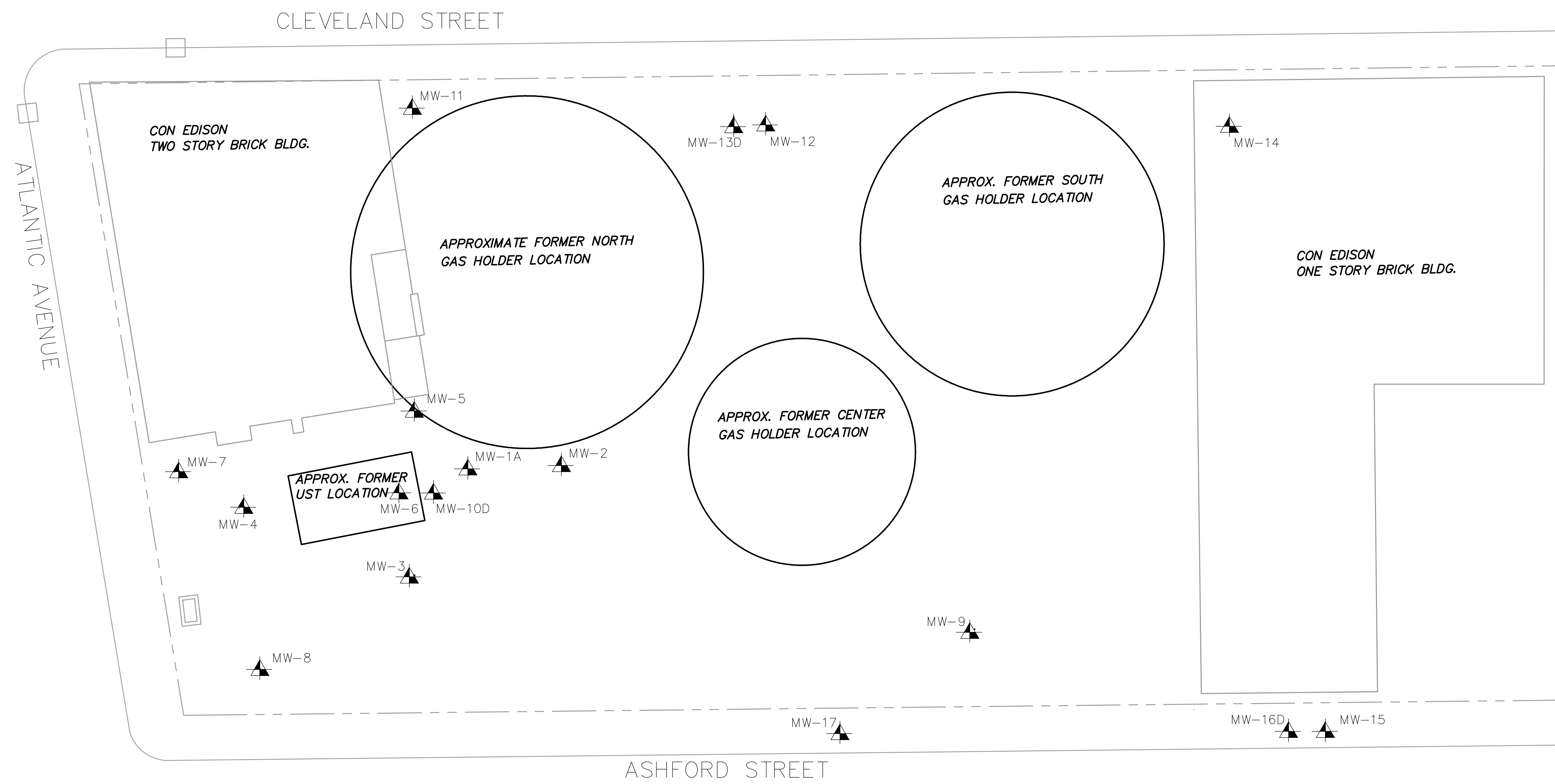
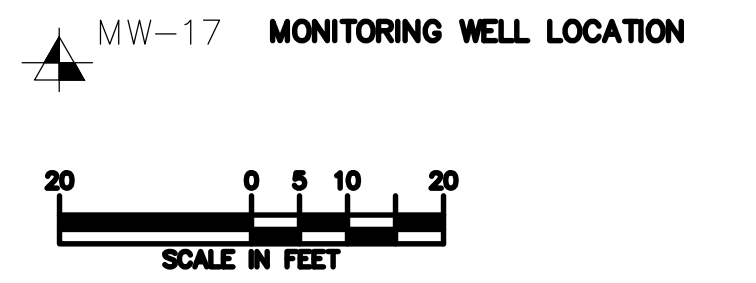
FIGURES



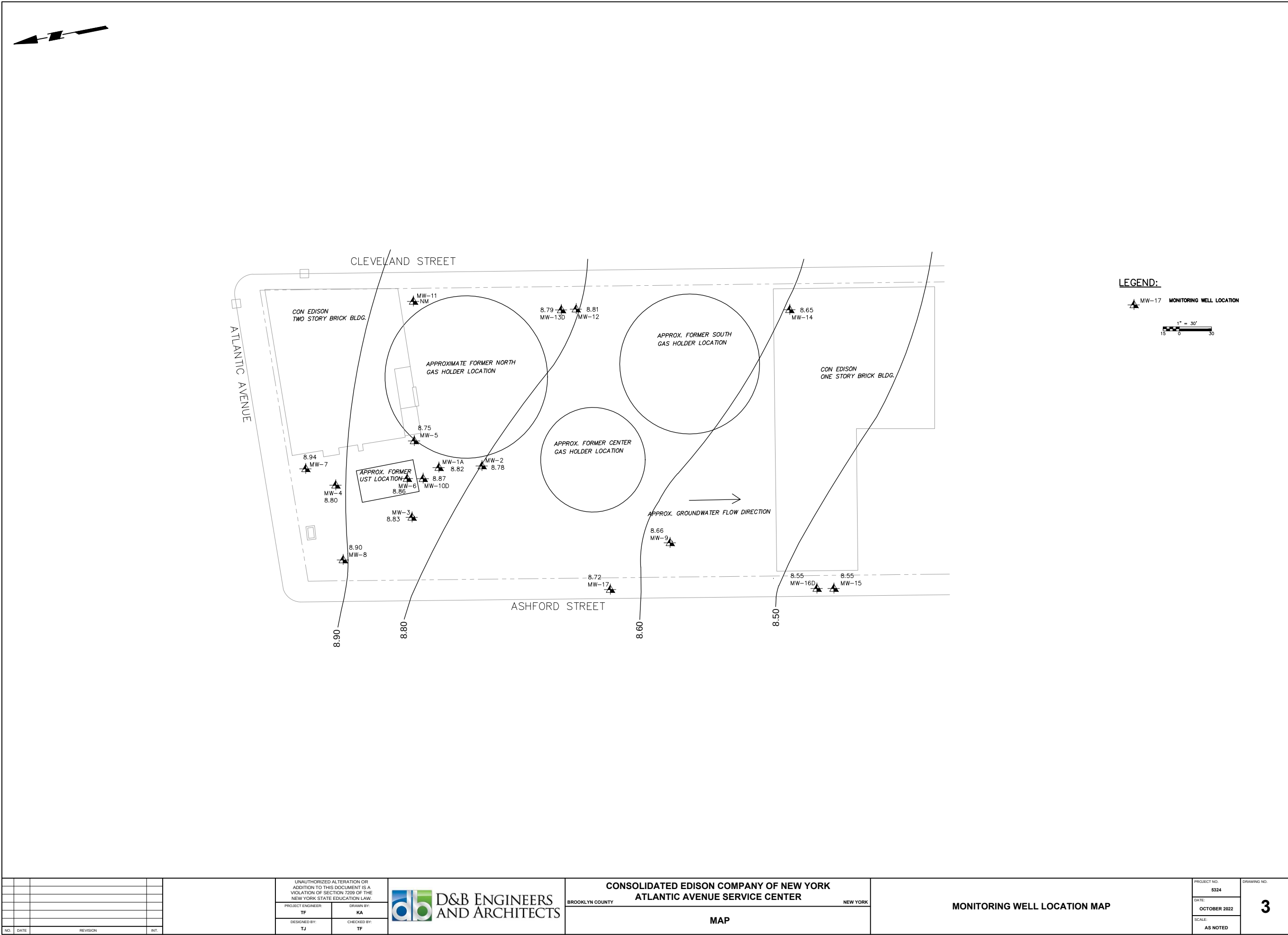
CONSOLIDATED EDISON COMPANY OF NEW YORK
ATLANTIC AVENUE SERVICE CENTER
2950 ATLANTIC AVENUE, BROOKLYN NY
SITE LOCATION

FIGURE 1

LEGEND:

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MW-13D	NYSDEC TOGS	MARCH 2016 Results	DEC. 2016 Results	MAY 2017 Results	NOV 2017 Results	JULY 2018 Results	DEC. 2018 Results	NOV. 2019 Results	DEC. 2019 Results	JUNE 2020 Results	NOV 2020 Results	JUNE 2021 Results	MAY 2022 Results	OCT 2022 Results	APR 2023 Results	DEC 2023 Results
VOCs (µg/L)																
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3
Naphthalene	10*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SVOCs (µg/L)																
Benzo (a) anthracene	0.002*	ND	ND	0.119	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (b) pyrene	0.002	ND	ND	0.038	0.133	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (k) fluoranthene	0.002*	ND	ND	0.108	0.0615	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	0.002*	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002*	ND	ND	0.162	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002*	ND	ND	0.184	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.002*	ND	ND	0.249	0.133	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-12	NYSDEC TOGS	MARCH 2016 Results	DEC. 2016 Results	MAY 2017 Results	NOV 2017 Results	JULY 2018 Results	DEC. 2018 Results	NOV. 2019 Results	DEC. 2019 Results	JUNE 2020 Results	NOV 2020 Results	JUNE 2021 Results	MAY 2022 Results	OCT 2022 Results	APR 2023 Results	DEC 2023 Results
VOCs (µg/L)																
Benzene	1	ND	17	ND	12	2	11.3	5.8	4.7	11.1	7.4	20.0	3.7	3.6	6.2	82.7
cs-1,2-Dichloroethene	5	6.8	ND	ND	ND	62	418	320	280	690	430	250	300	170	300	73.8
Ethyl Benzene	5	370	16	290	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	160	NE	110	190	24	109	120	120	150	95.3	34.0	110	63	100	13
Methyl tert-butyl ether	10	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	28.7
m,p-Xylene	5	72	NE	530	75	9	120	36	31.8	120	140	1000	33.3	19.8	27.5	8.5
o-Xylene	5	30	5.1	ND	30.0	6.4	98.7	24.3	21.8	110	140	130	34.4	20.6	28.9	15.7
Trichloroethene	5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	7
Toluene	5	ND	NE	NE	NE	NE	5.3	NE	NE	7.3	6.5	19.6	NE	NE	NE	NE
SVOCs (µg/L)																
Acenaphthene	20*	ND	33.4	96	84	ND	74.1	87.5	74.4	55.5	94.9	NE	75.1	76.3	68.3	23.8
1,1-Biphenyl	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	5.8	NE	ND	NE
Benzo (a) anthracene	0.002*	ND	0.147	0.367	0.185	ND	0.164	ND	ND	NE	5.8	NE	ND	ND	ND	ND
Benzo (a) pyrene	0.002	ND	0.147	0.267	0.062	ND	0.103	ND	ND	NE	5.4	NE	ND	ND	ND	ND
Benzo (k) fluoranthene	0.002*	ND	0.122	ND	ND	ND	ND	ND	ND	3.6	NE	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002*	ND	0.189	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND	ND
Chrysene	0.002*	ND	0.107	0.367	0.154	ND	0.164	ND	ND	4.9	NE	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002*	ND	0.189	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND	ND
Naphthalene	10*	2,170	NE	2,140	3520	3740	885	2,093	2,000	1,100	1,700	50	800	1200	1400	49.7
Phenanthrene	50*	ND	ND	ND	52.4	NE	NE	50.8	NE	NE	69.2	NE	45.2	42.4	NE	NE
Phenol	1**	NA	NA	NA	NA	NA	NA	3.5	NE	NE	6.7	NE	ND	ND	ND	ND

MW-14	NYSDEC TOGS	MARCH 2016 Results	DEC. 2016 Results	MAY 2017 Results	NOV 2017 Results	JULY 2018 Results	DEC. 2018 Results	NOV. 2019 Results	DEC. 2019 Results	JUNE 2020 Results	NOV 2020 Results	JUNE 2021 Results	MAY 2022 Results	OCT 2022 Results	APR 2023 Results	DEC 2023 Results
VOCs (µg/L)																
Ethyl Benzene	5	54	48	35	35	29	20.2	21.4	22.1	20.1	15.8	29.5	16.4	15	20.6	10
Isopropylbenzene	5	76	97	74	120	80	58.5	88	90.1	91.3	83.5	140	93.6	32.7	NE	57.2
m,p-Xylene	5	22	5.3	13	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
o-Xylene	5	37	18	24	12	14	9	8.2	NE	NE	NE	NE	NE	NE	NE	NE
SVOCs (µg/L)																
Acenaphthene	20*	ND	271	104	ND	96.9	92.6	82.1	74.4	78.9	100	110	96.3	110	79	75
1,1-Biphenyl	5	ND	ND	ND	ND	0.368	ND	0.0718	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	0.463	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	0.168	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	0.128	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	0.295	ND	0.0821	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	0.653	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10*	1320	4080	1480	1260	3240	2210	2300	2100	1600	1000	2300	1600	2000	2000	1700
Phenanthrene	50	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

LEGEND:

MW-17 MONITORING WELL LOCATION

NOTES:

- GROUNDWATER SAMPLE RESULTS COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) (1.1) CLASS GA AMBIENT WATER QUALITY STANDARDS (AWQS) AND GUIDANCE VALUES.
- ALL VOLATILE AND SEMI-VOLATILE ORGANIC CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER LITER (µg/L).
- ONLY CONCENTRATIONS THAT HAVE EXCEEDED NYSDEC TOGS ARE PRESENTED.

QUALIFIERS:

- NE = LABORATORY RESULTS DO NOT EXCEED TOGS STANDARDS/GUIDANCE VALUES
- NS = NOT SAMPLED
- NA = NOT ANALYZED
- ND = NOT DETECTED
- * = VALUE IS A GUIDANCE VALUE AND NOT A STANDARD
- ** = APPLIES TO TOTAL PHENOLS

MW-11	NYSDEC TOGS	MARCH 2016 Results	DEC. 2016 Results	MAY 2017 Results	NOV 2017 Results	JULY 2018 Results	DEC. 2018 Results	NOV. 2019 Results	DEC. 2019 Results	JUNE 2020 Results	NOV 2020 Results	JUNE 2021 Results	MAY 2022 Results	OCT 2022 Results	APR 2023 Results	DEC 2023 Results
VOCs (µg/L)	-	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
SVOCs (µg/L)																
Bis(2-ethylhexyl)phthalate	0.002*	NE	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002*	ND	ND	0.0737	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002*	ND	ND	0.0632	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.002*	ND	ND	0.0632	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-5	NYSDEC TOGS	MARCH 2016 Results	DEC. 2016 Results	MAY 2017 Results	NOV 2017 Results	JULY 2018 Results	DEC. 2018 Results	NOV. 2019 Results	DEC. 2019 Results	JUNE 2020 Results	NOV 2020 Results	JUNE 2021 Results	MAY 2022 Results	OCT 2022 Results	APR 2023 Results	DEC 2023 Results
VOCs (µg/L)																
Benzene	1	47.0	47.0	150.0	27.0	55.0	25.5	13	13.6	10.1	26.7	100	4.4	NE	NE	ND
Ethyl Benzene	5	NE	NE	5.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ND
Isopropylbenzene	5	NE	NE	9.5	NE	NE	NE	NE	NE	30.3	NE	ND	ND	ND	ND	ND
m,p-Xylene	5	ND	5.7	ND	NE	NE	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10*	210	360	120	77	210	35	37	NE	NE	NE	NE	NE	NE	NE	NE
o-Xylene	5	NE	19.0	NE	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NE
o-Xylene	5	NE	NE	7.4	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ND
Toluene	5	NE	5.1	5.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ND
SVOCs (µg/L)																
Benzo (a) anthracene	0.002*	0.082	0.0708	0.0848	NE	ND	0.0513	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002*	0.062	ND	0.727	NE	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-1A	NYSDEC TOGS	MARCH 2016 Results	DEC. 2016 Results	MAY 2017 Results	NOV 2017 Results	JULY 2018 Results	DEC. 2018 Results	NOV. 2019 Results	DEC. 2019 Results	JUNE 2020 Results	NOV 2020 Results	JUNE 2021 Results	MAY 2022 Results	OCT 2022 Results	APR 2023 Results	NOV 2023 Results
VOCs (µg/L)																
Benzene	1	600	500	170	98	77	159	110	ND	ND	6.1	3	NE	2.1	1.1	33.2
Ethyl Benzene	5	NE	NE	5.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Isopropylbenzene	5	ND	5.7	ND	NE	NE	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	5	210	360	120	77	210	35	37	NE	NE	NE	NE	NE	NE	NE	NE
Methyl tert-butyl ether	10	45	31	11	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
o-Xylene	5	44	29	16	7.4	34	5.22	12.2	ND	NE	NE	NE	ND	ND	NE	ND
Toluene	5	66	31	16	5.2	41	21.5	NE	ND	NE	NE	NE	ND	ND	NE	ND
SVOCs (µg/L)																
Benzo(a)anthracene	0.002*	0.074	ND	ND	0.0513	ND	0.0593	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.002	0.074	ND	ND	NE	ND	0.103	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002*	0.095	ND	0.0513	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002*	0.074	ND	0.133	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	5	ND	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002*	0.11	ND	0.0615	ND	0.185	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.002*	0.063	ND	NE	NE	11.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	ND	19.9	NE	NE	11.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-7	NYSDEC TOGS	MARCH 2016 Results	DEC. 2016 Results	MAY 2017 Results	NOV 2017 Results	JULY 2018 Results	DEC. 2018 Results	NOV. 2019 Results	DEC. 2019 Results	JUNE 2020 Results	NOV 2020 Results	JUNE 2021 Results	MAY 2022 Results	OCT 2022 Results	APR 2023 Results	DEC 2023 Results
VOCs (µg/L)																
Tetrachloroethene	5	6	8.4	6	5.4	ND	NE	NE	NE	ND	ND	ND	NE	NE	NE	NE
SVOCs (µg/L)	-	ND	ND	ND	ND	ND	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT A

GROUNDWATER SAMPLING FIELD FORMS

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/13/2023

WELL ID: MW-14

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 33.96 PID Readings: 0.0 ppm
Initial static water level (from top of casing)..... 23.62

Purging Method		Well Volume Calculation:	
Airlift	<u> </u>	Centrifugal	<u> </u>
Bailer	<u> </u>	Pos. Displ.	<u> </u>
Whale Pump	<u> </u>	Peristaltic Pump	<u> </u>
(Low Flow)	<u>X</u>		

2 in. casing:	<u>10.34</u>	ft. of water x 0.16 =	<u>1.65</u>	gallons
3 in. casing:	<u> </u>	ft. of water x 0.36 =	<u> </u>	gallons
4 in. casing:	<u> </u>	ft. of water x 0.65 =	<u> </u>	gallons

volume of water removed:
7.3 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	17.34	7.11	0.858	254	5.99	-130
2,500	18.48	7.07	0.840	114	5.04	-172
5,000	18.90	7.07	0.843	61.2	5.07	-184
7,500	19.04	7.07	0.849	69.8	5.12	-190
10,000	19.36	7.16	0.855	39.9	4.97	-200
12,500	19.47	7.15	0.855	31.6	4.55	-202
15,000	19.57	7.13	1.09	17.4	5.24	-203
17,500	19.58	7.13	1.09	12.7	4.79	-203
20,000	19.61	7.13	1.09	14.7	4.77	-204

Sample ID: MW-14
Sample Time: 12:00 PM
Pump: Whale pump
Meters: Horiba U52 and water level

Analyzed:
(2) 40 mL for VOCs
(1) Amber L for SVOCs

Observations

Weather/Temperature: sunny, High 55°F, Low 40°F

Description: Clear, no sheen, petroleum odor

Free Product? yes <u> </u>	no <u>X</u> Describe
Sheen? yes <u> </u>	no <u>X</u> Describe
Odor? yes <u>X</u>	no <u> </u> Describe: Petroleum

Decontaminated the pump and changed tubing.

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/13/2023

WELL ID: MW-15

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 39.00 PID Readings: 0.0 ppm
Initial static water level (from top of casing)..... 28.42

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: 10.58 ft. of water x 0.16 = 1.69 gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: ft. of water x 0.65 = gallons

volume of water removed:

5.28 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	15.82	6.19	1.07	466	6.74	173
2,500	17.27	6.17	1.07	534	5.80	178
5,000	17.49	6.14	1.10	232	5.63	180
7,500	17.66	6.12	1.12	110	5.51	182
10,000	17.72	6.24	1.14	63.6	5.44	175
12,500	17.73	6.33	1.15	36.5	5.39	171
15,000	17.77	6.21	1.15	23.1	5.34	177
17,500	17.79	6.21	1.16	23.4	5.33	177

Sample ID: MW-15

Sample Time: 10:30 AM

Pump: Whale pump

Meters: Horiba U52 and water level

Analyzed:

(2) 40 mL for VOCs

(1) Plastic L for sulfates

Observations

Weather/Temperature: Mostly sunny, High 55°F, Low 40°F

Description: Light color, no sheen, no odor

Free Product? yes no X Describe
Sheen? yes no X Describe
Odor? yes no X Describe: Petroleum

Decontaminated the pump and changed tubing.

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/13/2023

WELL ID: MW-16D

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 59.65 PID Readings: 0.0 ppm

Initial static water level (from top of casing)..... 28.10

Purging Method

Airlift Centrifugal

Bailer Pos. Displ.

Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: 31.55 ft. of water x 0.16 = 5.04 gallons

3 in. casing: ft. of water x 0.36 = gallons

4 in. casing: ft. of water x 0.65 = gallons

volume of water removed:

3.30 gal.

>3 volumes: yes

no X

purged dry? yes

no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	14.39	6.46	0.219	22.7	0.219	186
2,500	16.55	5.94	0/393	5.9	0.393	184
5,000	16.78	5.83	0.535	6.1	0.535	190
7,500	16.85	5.74	0.571	0.9	0.571	193
10,000	16.79	5.68	0.584	0.0	0.584	196
12,500	16.75	5.67	0.596	0.0	0.596	196

Sample ID: MW-16D

Sample Time: 9:50 AM

Pump: Whale pump

Meters: Horiba U52 and water level

Analyzed:

(2) 40 mL for VOCs

(1) Plastic L for sulfates

Observations

Weather/Temperature: Mostly sunny, High 55°F, Low 40°F

Description: Light color, no sheen, no odor

Free Product? yes no X Describe

Sheen? yes no X Describe

Odor? yes no X Describe:

Decontaminated the pump and changed tubing.

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/13/2023

WELL ID: MW-17

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 38.16 PID Readings: 0.0 ppm
Initial static water level (from top of casing)..... 27.09

Purging Method		Well Volume Calculation:
Airlift <u> </u>	Centrifugal <u> </u>	2 in. casing: <u>11.07</u> ft. of water x 0.16 = <u>1.77</u> gallons
Bailer <u> </u>	Pos. Displ. <u> </u>	3 in. casing: <u> </u> ft. of water x 0.36 = <u> </u> gallons
Whale Pump (Low Flow) <u>X</u>	Peristaltic Pump <u> </u>	4 in. casing: <u> </u> ft. of water x 0.65 = <u> </u> gallons

volume of water removed: 4.62 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	15.35	6.71	0.750	61.2	10.74	184
2,500	15.12	6.32	0.747	100	9.69	192
5,000	15.83	6.13	0.734	112	8.92	197
7,500	16.08	6.09	0.724	97.1	8.61	198
10,000	16.34	6.06	0.716	74.8	8.27	198
12,500	16.47	6.05	0.713	62.4	7.98	197
15,000	16.68	6.06	0.710	49.3	8.03	196
17,500	16.68	6.06	0.709	47.6	7.94	196

Sample ID: <u>MW-17</u>	Analyzed:
Sample Time: <u>9:05 AM</u>	(2) 40 mL for VOCs
Pump: <u>Whale pump</u>	(1) Plastic L for sulfates
Meters: <u>Horiba U52 and water level</u>	

Observations

Weather/Temperature: Sunny, High 55°F, Low 40°F

Description: Yellowish color, no sheen, no odor

Free Product? yes <u> </u>	no <u>X</u> Describe
Sheen? yes <u> </u>	no <u>X</u> Describe
Odor? yes <u> </u>	no <u>X</u> Describe:

Decontaminated the pump and changed tubing.

Persulfate: 0.7 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 11/29/2023

WELL ID: MW-1A

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 34.47 PID Readings: 0.0 ppm

Initial static water level (from top of casing)..... 30.53

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: ft. of water x 0.16 = gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: 3.94 ft. of water x 0.65 = 2.56 gallons

volume of water removed:

6.5 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	16.53	5.32	0.653	32	6.50	32
2,500	16.57	5.64	0.672	16	6.48	16
5,000	16.59	5.72	0.750	6	6.72	6
7,500	16.58	5.78	0.765	2	6.61	2
10,000	16.59	5.95	0.821	18.5	6.53	-7
12,500	16.60	5.97	0.826	16.1	6.55	-8
15,000	16.62	6.22	0.818	21.0	6.69	-18
17,500	16.36	6.21	0.844	154	6.87	-5
20,000	16.35	6.21	0.845	181	6.67	-3

Sample ID: MW-1A

Sample Time: 11:00AM

Pump: Whale pump

Meters: Horiba U52 and water level

Analyzed:

(2) 40 mL for VOCs

(1) Plastic L for Sulfates

Observations

Weather/Temperature: Mostly sunny, High 35°F, Low 30°F

Description: Yellowish color, slight petroleum odor

Free Product? yes no X Describe
Sheen? yes no X Describe
Odor? yes X no Describe: Slight petroleum odor

Decontaminated the pump and changed tubing.

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/12/2023

WELL ID: MW-2

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 34.26 PID Readings: 0.5 ppm
Initial static water level (from top of casing)..... 26.20

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: ft. of water x 0.16 = gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: 8.06 ft. of water x 0.65 = 5.23 gallons

volume of water removed:

3.30 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	17.46	6.33	0.525	31.4	5.23	-60
2,500	18.05	6.12	0.727	15.6	4.75	-72
5,000	18.34	6.09	0.759	14.0	4.73	-80
7,500	18.53	6.07	0.775	12.9	4.79	-86
10,000	18.68	6.04	0.791	11.2	4.60	-91
12,500	18.70	6.04	0.798	10.7	4.63	-93

Sample ID: MW-2

Sample Time: 1:15 PM

Pump: Whale pump

Meters: Horiba U52 and water level

Analyzed:

(2) 40 mL for VOCs

(1) Plastic L for Sulfates

(1) Amber L for SVOCs

Observations

Weather/Temperature: Mostly Sunny, High 50°F, Low 40°F

Description: Clear, no sheen, no odor

Free Product? yes no X Describe

Sheen? yes no X Describe

Odor? yes no X Describe:

Decontaminated the pump and changed tubing.

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/12/2023

WELL ID: MW-3

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 34.19 PID Readings: 0.0 ppm
Initial static water level (from top of casing)..... 25.55

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: ft. of water x 0.16 = gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: 8.64 ft. of water x 0.65 = 5.61 gallons

volume of water removed:
2.64 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	16.81	6.23	1.32	102	13.6	125
2,500	16.83	5.75	1.24	95.3	11.23	79
5,000	17.13	5.75	1.25	84.7	10.87	66
7,500	17.20	6.06	1.25	75.1	10.52	44
10,000	17.21	6.00	1.25	74.0	10.50	44

Sample ID: MW-3
Sample Time: 10:20 AM
Pump: Whale pump
Meters: Horiba U52 and water level

Analyzed:
(2) 40 mL for VOCs
(1) Plastic L for Sulfates
(1) Amber L for SVOCs

Observations

Weather/Temperature: Mostly Sunny, High 50°F, Low 40°F

Description: Clear, no sheen, slight petroleum odor

Free Product? yes no X Describe
Sheen? yes X no Describe slight tint
Odor? yes X no Describe: Slight petroleum odor

Decontaminated the pump and changed tubing.

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/12/2023

WELL ID: MW-4

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 33.78 PID Readings: 0.0 ppm

Initial static water level (from top of casing)..... 24.77

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: ft. of water x 0.16 = gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: 9.01 ft. of water x 0.65 = 5.85 gallons

volume of water removed:

3.30 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	15.01	6.47	0.846	33.7	9.81	24
2,500	17.10	5.77	1.95	15.6	6.40	84
5,000	17.51	6.10	2.14	28.9	5.76	94
7,500	17.75	6.19	2.12	26.3	5.70	105
10,000	18.02	6.16	2.07	22.3	5.63	115

Sample ID: MW-4

Sample Time: 10:50 AM

Pump: Whale pump

Meters: Horiba U52 and water level

Analyzed:

(2) 40 mL for VOCs

(1) Plastic L for Sulfates

(1) Amber L for SVOCs

Observations

Weather/Temperature: Partly cloudy, High 50°F, Low 40°F

Description: Clear, no sheen, no odor

Free Product? yes no X Describe

Sheen? yes no X Describe

Odor? yes No X Describe:

Decontaminated the pump and changed tubing.

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 11/29/2023

WELL ID: MW-5

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 34.29 PID Readings: 0.0 ppm
Initial static water level (from top of casing)..... 25.77

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: ft. of water x 0.16 = gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: 8.52 ft. of water x 0.65 = 5.53 gallons

volume of water removed:
3.30 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	15.80	6.56	0.429	3.9	8.27	8.27
2,500	16.13	6.43	0.450	4.1	8.91	8.91
5,000	15.98	6.40	0.559	8.7	8.17	8.17
7,500	15.94	6.41	0.569	0.0	8.10	8.10
10,000	16.29	6.42	0.570	0.0	7.95	7.95
12,500	16.40	6.44	0.573	0.0	6.91	7.91

Sample ID: MW-5
Sample Time: 11:42 AM
Pump: Whale pump
Meters: Horiba U52 and water level

Analyzed:
(2) 40 mL for VOCs
(1) Plastic L for Sulfates

Observations

Weather/Temperature: Mostly sunny, High 33°F, Low 30°F
Description: Clear, no sheen, no odor
Free Product? yes no X Describe
Sheen? yes no X Describe
Odor? yes no X Describe:

Decontaminated the pump and changed tubing.

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 11/29/2023

WELL ID: MW-6

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 32.21 PID Readings: 0.3 ppm
Initial static water level (from top of casing)..... 25.48

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: ft. of water x 0.16 = gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: 6.39 ft. of water x 0.65 = 4.15 gallons

volume of water removed:
1.98 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	16.69	6.76	1.76	172	6.12	-169
2,500	16.41	6.79	1.74	50.4	5.61	-186
5,000	17.32	6.78	2.66	19.6	5.17	-195
7,500	17.35	6.73	2.73	13.7	5.34	-201

Sample ID: MW-6 Analyzed:
Sample Time: 1:15 PM (2) 40 mL for VOCs
Pump: Whale pump (1) Plastic L for Sulfates
Meters: Horiba U52 and water level (1) Amber L for SVOCs

Observations

Weather/Temperature: Mostly sunny, High 33°F, Low 30°F
Description: Clear, no sheen, slight petroleum odor
Free Product? yes no X Describe
Sheen? yes no X Describe
Odor? yes no X Describe:

Decontaminated the pump and changed tubing.

Persulfate: 0.7 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/12/2023

WELL ID: MW-7

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 30.11 PID Readings: 0.0 ppm

Initial static water level (from top of casing)..... 24.42

Purging Method

Airlift Centrifugal
 Bailer Pos. Displ.
 Whale Pump Peristaltic Pump
 (Low Flow) X

Well Volume Calculation:

2 in. casing: 5.69 ft. of water x 0.16 = 0.91 gallons
 3 in. casing: ft. of water x 0.36 = gallons
 4 in. casing: ft. of water x 0.65 = gallons

volume of water removed:

4.62 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	18.01	6.40	3.55	1000+	6.30	143
2,500	17.76	6.54	3.39	1000+	6.21	141
5,000	18.77	6.27	3.41	878	5.60	151
7,500	18.95	6.23	3.45	239	5.52	155
10,000	18.98	6.25	3.49	30.9	5.47	158
12,500	19.04	6.25	3.51	26.9	5.70	160
15,000	19.01	6.26	3.50	17.9	5.42	161
17,500	18.98	6.26	3.51	17.8	5.41	161

Sample ID: MW-7

Sample Time: 12:30 PM

Pump: Whale pump

Meters: Horiba U52 and water level

Analyzed:

(2) 40 mL for VOCs

(1) Plastic L for Sulfates

Observations

Weather/Temperature: Partly cloudy, High 50°F, Low 40°F

Description: Clear, no sheen, no odor

Free Product? yes no X Describe

Sheen? yes no X Describe

Odor? yes no X Describe:

Decontaminated the pump and changed tubing.

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/12/2023

WELL ID: MW-8

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 33.61 PID Readings: 0.0 ppm
Initial static water level (from top of casing)..... 24.67

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: 8.94 ft. of water x 0.16 = 1.43 gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: ft. of water x 0.65 = gallons

volume of water removed:

3.30 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	15.93	6.31	0.660	3.4	7.47	123
2,500	17.26	6.11	0.593	0.3	5.70	111
5,000	17.85	5.90	0.630	5.1	5.30	122
7,500	17.97	5.85	0.634	1.8	5.21	127
10,000	17.74	5.82	0.642	0.8	5.17	131
12,500	17.74	5.81	0.643	0.7	5.16	131

Sample ID: MW-8

Sample Time: 11:40 AM

Pump: Whale pump

Meters: Horiba U52 and water level

Analyzed:

(2) 40 mL for VOCs

Observations

Weather/Temperature: Mostly sunny, High 59°F, Low 40°F

Description: Clear, no sheen, no odor

Free Product? yes no X Describe

Sheen? yes no X Describe

Odor? yes no X Describe:

Decontaminated the pump and changed tubing.

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/15/2023

WELL ID: MW-8

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 33.61 PID Readings: 0.0 ppm

Initial static water level (from top of casing)..... 24.67

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: 8.94 ft. of water x 0.16 = 1.43 gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: ft. of water x 0.65 = gallons

volume of water removed:

4.0 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	16.05	6.89	0.664	41.3	8.87	121
2,500	17.24	6.85	0.681	42.8	8.60	112
5,000	17.26	6.74	0.679	41.0	8.55	116
7,500	17.12	7.07	0.681	32.5	8.47	97
10,000	17.02	6.71	0.688	23.2	8.45	115
12,500	16.94	7.13	0.690	17.5	8.41	94
15,000	16.95	7.14	0.692	18.5	8.39	103

Sample ID: MW-8

Sample Time: 8:55 AM

Pump: Whale pump

Meters: Horiba U52 and water level

Analyzed:

(1) 1L Plastic for Sulfates

Observations

Weather/Temperature: Sunny, High 55°F, Low 40°F

Description: Clear, no sheen, no odor

Free Product? yes no X Describe

Sheen? yes no X Describe

Odor? yes no X Describe:

Decontaminated the pump and changed tubing.

Re sample well for Sulfates 12/15/2023

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/12/2023

WELL ID: MW-9

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 34.60 PID Readings: 0.0 ppm

Initial static water level (from top of casing)..... 26.58

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: 8.02 ft. of water x 0.16 = 1.28 gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: ft. of water x 0.65 = gallons

volume of water removed:

4.62 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	15.44	6.41	1/23	501	8.42	-37
2,500	14.99	6.29	1.26	426	6.36	-14
5,000	16.22	6.31	1.32	302	5.27	1
7,500	17.28	6.04	1.30	327	4.90	29
10,000	17.33	6.03	1.30	188	4.85	40
12,500	17.38	6.06	1.29	125	4.78	44
15,000	17.42	6.21	1.30	5.0	5.31	46
17,500	17.35	6.18	1.30	3.5	5.15	48

Sample ID: MW-9

Analyzed:

Sample Time: 2:21 PM

(2) 40 mL for VOCs

Pump: Whale pump

Meters: Horiba U52 and water level

Observations

Weather/Temperature: Sunny, High 50°F, Low 40°F

Description: Clear, no sheen, no odor

Free Product? yes no X Describe

Sheen? yes no X Describe

Odor? yes No X Describe:

Decontaminated the pump and changed tubing.

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/15/2023

WELL ID: MW-9

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 34.60 PID Readings: 0.0 ppm
Initial static water level (from top of casing)..... 26.58

Purging Method		Well Volume Calculation:	
Airlift	<u> </u>	Centrifugal	<u> </u>
Bailer	<u> </u>	Pos. Displ.	<u> </u>
Whale Pump	<u> </u>	Peristaltic Pump	<u> </u>
(Low Flow)	<u>X</u>		

2 in. casing:	<u>8.02</u>	ft. of water x 0.16 =	<u>1.28</u>	gallons
3 in. casing:	<u> </u>	ft. of water x 0.36 =	<u> </u>	gallons
4 in. casing:	<u> </u>	ft. of water x 0.65 =	<u> </u>	gallons

volume of water removed:
4.62 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	15.73	5.66	0.996	195	6.12	113
2,500	17.42	6.32	1.24	53.2	7.03	98
5,000	17.56	6.85	1.27	42.1	6.11	96
7,500	17.53	6.94	1.29	25.0	5.82	94
10,000	17.59	6.63	1.28	12.3	5.63	102
12,500	17.68	6.96	1.28	7.4	5.51	90
15,000	17.73	6.96	1.28	3.6	5.43	89
17,500	17.79	6.95	1.27	3.9	5.36	94
20,000	17.77	6.92	1.27	4.1	5.33	95

Sample ID:	MW-9	Analyzed:	
Sample Time:	2:21 PM	(1) 1 L Plastic for Sulfates	
Pump:	Whale pump		
Meters:	Horiba U52 and water level		

Observations

Weather/Temperature: Sunny, High 55°F, Low 40°F
Description: Clear, no sheen, no odor

Free Product? yes	<u> </u>	no	<u>X</u>	Describe
Sheen? yes	<u> </u>	no	<u>X</u>	Describe
Odor? yes	<u> </u>	No	<u>X</u>	Describe:

Decontaminated the pump and changed tubing.
Resampled for Sulfates on 12/15/2023

Persulfate: 0.0 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 11/29/2023

WELL ID: MW-10D

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 48.18 PID Readings: 0.0 ppm
Initial static water level (from top of casing)..... 25.75

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: 22.43 ft. of water x 0.16 = 3.58 gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: ft. of water x 0.65 = gallons

volume of water removed:

3.96 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	16.46	7.07	0.103	130	6.26	-15
2,500	15.88	6.94	0.190	47.8	5.82	-93
5,000	15.86	6.79	0.399	3.6	5.71	-85
7,500	15.88	6.75	0.446	0.0	5.75	-74
10,000	15.90	6.70	0.473	0.0	5.78	-61
12,500	15.90	6.69	0.434	0.0	5.81	-56
15,000	15.90	6.70	0.440	0.0	5.83	-52

Sample ID: MW-10D

Sample Time: 12:41 PM

Pump: Whale pump

Meters: Horiba U52 and water level

Analyzed:

(2) 40 mL for VOCs

(1) Plastic L for Sulfates

Observations

Weather/Temperature: Mostly sunny, High 33°F, Low 30°F

Description: Clear, no sheen, no odor

Free Product? yes no X Describe

Sheen? yes no X Describe

Odor? yes no X Describe:

Decontaminated the pump and changed tubing.

Persulfate: 1.4 ppm

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: _____

WELL ID: MW-11

PERSONNEL: Daniel Sassone

Depth of well (from top of casing) PID Readings: _____

Initial static water level (from top of casing)

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Whale Pump _____ Peristaltic Pump _____
(Low Flow) X

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons

3 in. casing: _____ ft. of water x 0.36 = _____ gallons

4 in. casing: _____ ft. of water x 0.65 = _____ gallons

volume of water removed:

_____ gal. >3 volumes: yes _____ no _____ purged dry? yes _____ no _____

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)

Sample ID: MW-11

Analyzed:

Sample Time:

(2) 40 mL for VOCs

Pump: Whale pump

Meters: Horiba U52 and water level

Observations

Weather/Temperature: _____

Description: _____

Free Product? yes _____ no X Describe

Sheen? yes _____ no X Describe

Odor? yes _____ no X Describe:

Decontaminated the pump and changed tubing.

MW-11 Unlocatable. Did not Sample

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/13/2023

WELL ID: MW-12

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 34.49 PID Readings: 0.0 ppm
Initial static water level (from top of casing)..... 26.73

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: 7.76 ft. of water x 0.16 = 1.24 gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: ft. of water x 0.65 = gallons

volume of water removed:
4.62 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	17.47	6.94	1.95	128	5.87	-106
2,500	18.14	5.69	2.04	61.5	4.87	-121
5,000	19.02	6.68	2.12	80.2	4.50	-130
7,500	19.22	6.66	2.15	58.7	4.41	-134
10,000	19.22	6.73	2.14	40.0	4.38	-141
12,500	19.30	6.73	2.13	25.5	4.34	-144
15,000	19.37	6.75	2.11	15.5	4.84	-145
17,500	19.37	6.71	2.10	13.5	4.45	-148
20,000	19.44	6.72	2.08	9.1	4.33	-145
22,500	19.41	6.72	2.08	6.1	4.27	-148

Sample ID: MW-12
Sample Time: 1:25 PM
Pump: Whale pump
Meters: Horiba U52 and water level

Analyzed:
(2) 40 mL for VOCs
(1) Amber L for SVOCs

Observations

Weather/Temperature: Sunny, High 55°F, Low 40°F

Description: Clear, no sheen, no odor

Free Product? yes no X Describe
Sheen? yes no X Describe
Odor? yes no X Describe:

Decontaminated the pump and changed tubing.

FIELD OBSERVATION LOG MONITORING WELL SAMPLE RECORD

SITE Con. Edison - Atlantic Avenue Site

DATE: 12/13/2023

WELL ID: MW-13D

PERSONNEL: Daniel Sassone

Depth of well (from top of casing)..... 47.11 PID Readings: 0.0 ppm
Initial static water level (from top of casing)..... 26.58

Purging Method

Airlift Centrifugal
Bailer Pos. Displ.
Whale Pump Peristaltic Pump
(Low Flow) X

Well Volume Calculation:

2 in. casing: 20.53 ft. of water x 0.16 = 3.28 gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: ft. of water x 0.65 = gallons

volume of water removed:
3.96 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume (mL)	Temp (C°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	17.37	6.67	0.671	9.9	6.79	-89
2,500	18.75	6.50	0.631	0.0	7.05	-46
5,000	19.18	6.42	0.527	0.0	6.48	-28
7,500	19.39	6.33	0.524	0.0	6.20	-3
10,000	19.39	6.32	0.524	0.0	6.14	0
12,500	19.38	6.29	0.523	0.0	6.22	13
15,000	19.33	6.27	0.522	0.0	6.22	18

Sample ID: MW-13D
Sample Time: 2:10 PM
Pump: Whale pump
Meters: Horiba U52 and water level

Analyzed:
(2) 40 mL for VOCs

Observations

Weather/Temperature: Sunny, High 55°F, Low 40°F
Description: Clear, no sheen, no odor

Free Product? yes no X Describe
Sheen? yes no X Describe
Odor? yes no X Describe:

Decontaminated the pump and changed tubing.

ATTACHMENT B

LABORATORY CERTIFICATION



Department of Health

KATHY HOCHUL
Governor

MARY T. BASSETT, M.D., M.P.H.
Commissioner

KRISTIN M. PROUD
Acting Executive Deputy Commissioner

LAB ID: 11376

April 01, 2022

MR. EMANUEL HEDVAT
CHEMTECH
284 SHEFFIELD STREET
MOUNTAINSIDE, NJ 07092

Certificate Expiration Date:
April 01, 2023

Dear Mr. Hedvat,

Enclosed are certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved and testing for which the laboratory is not approved.

If you have any questions, please contact us at the Environmental Laboratory Approval Program, Wadsworth Center, New York State Department of Health, Empire State Plaza, Albany NY, 12237; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at elap@health.ny.gov.

Sincerely,

Victoria Pretti
Director and QA Officer
Environmental Laboratory Approval Program



Department of Health

KATHY HOCHUL
Governor

MARY T. BASSETT, M.D., M.P.H.
Commissioner

KRISTIN M. PROUD
Acting Executive Deputy Commissioner

LAB ID: 11376

April 01, 2022

MR. EMANUEL HEDVAT
CHEMTECH
284 SHEFFIELD STREET
MOUNTAINSIDE, NJ 07092

Dear Mr. Hedvat,

A revised certificate has been generated because of the change(s) listed below.

If your laboratory has applied for a change in the laboratory's location and/or technical director, the approved change(s) will be reflected on the certificate.

If the changes to your certification are due to insufficient proficiency tests and/or proficiency test failures, the expired certificates must be returned to the Environmental Laboratory Approval Program (ELAP) office within 10 days of the date of this letter. In addition, your laboratory must investigate the root cause for any insufficient and/or unsatisfactory proficiency tests and keep this on file for review during an onsite assessment. Also, the laboratory must provide a corrective action report to ELAP within 30 calendar days of a request by the program.

In addition, your laboratory must investigate and document the root cause for any insufficient and/or unsatisfactory proficiency tests. If your lab lost accreditation due to two PT failures, you must submit the corrective action response to ELAP for review before accreditation will be re-instated.

AppCat	Analyte Name	Method Name	Comments	Date
NW - NELAC	Acidity	ASTM D1067-16	Dropped from Approved	03/07/2022
NW - NELAC	Acidity	ASTM D1067-16	Method Name Changed	12/14/2021
NW - NELAC	Acidity	SM 2310B-2011	Dropped from Approved	03/07/2022
NW - NELAC	Biochemical Oxygen Demand	SM 5210B-2016	Method Name Changed	12/14/2021
NW - NELAC	Carbonaceous BOD	SM 5210B-2016	Method Name Changed	12/14/2021
NW - NELAC	Cyanide, Available	SM 4500-CN G-2016	Method Name Changed	12/29/2021
NW - NELAC	Cyanide, Total	SM 4500-CN B-2016 and C-2016	Method Name Changed	12/29/2021
NW - NELAC	Cyanide, Total	SM 4500-CN E-2016	Method Name Changed	03/13/2022



Department of Health

KATHY HOCHUL
Governor

MARY T. BASSETT, M.D., M.P.H.
Commissioner

KRISTIN M. PROUD
Acting Executive Deputy Commissioner

AppCat	Analyte Name	Method Name	Comments	Date
NW - NELAC	Hardness, Total	EPA 200.7, Rev. 4.4 (1994)	Dropped from Approved	03/14/2022
NW - NELAC	Oil and Grease Total Recoverable		Analyte Name Changed	01/07/2022
NW - NELAC	Settleable Solids	SM 2540 F-2015	Method Name Changed	03/13/2022
NW - NELAC	Solids, Total	SM 2540 B-2015	Method Name Changed	03/13/2022
NW - NELAC	Solids, Total Dissolved	SM 2540 C-2015	Method Name Changed	03/13/2022
NW - NELAC	Solids, Total Suspended	SM 2540 D-2015	Method Name Changed	03/13/2022
NW - NELAC	Surfactant (MBAS)	SM 5540C-2011	Dropped from Approved	03/07/2022
SW - NELAC	Ignitability	EPA 1010A	Dropped from Approved	03/07/2022
SW - NELAC	Ignitability	EPA 1010B	Raised to Approved	03/07/2022
SW - NELAC	Oil and Grease Total Recoverable		Analyte Name Changed	01/07/2022



Department of Health

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2023
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CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. EMANUEL HEDVAT
CHEMTECH
284 SHEFFIELD STREET
MOUNTAINSIDE, NJ 07092

NY Lab Id No: 11376

is hereby **APPROVED** as an *Environmental Laboratory* in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Fuel Additives

Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2

Metals I

Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4

Metals II

Aluminum, Total	EPA 200.8 Rev. 5.4
Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Vanadium, Total	EPA 200.7 Rev. 4.4

Metals III

Boron, Total	EPA 200.7 Rev. 4.4
Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Potassium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4

Microextractables

1,2-Dibromo-3-chloropropane, Low Level	EPA 504.1
1,2-Dibromoethane, Low Level	EPA 504.1

Miscellaneous

Methyl iodide	EPA 524.2
Turbidity	SM 21-23 2130 B (-01)
	EPA 180.1 Rev. 2.0

Non-Metals

Calcium Hardness	EPA 200.7 Rev. 4.4

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Non-Metals

Calcium Hardness	SM 18-22 2340B (-97)
Silica, Total	EPA 200.7 Rev. 4.4

Trihalomethanes

Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2

Volatile Aromatics

1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2

Volatile Aromatics

n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2

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Volatile Halocarbons

Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

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Acrylates

Acrolein (Propenal)	EPA 8260D
	EPA 624.1
Acrylonitrile	EPA 8260D
	EPA 624.1

Amines

1,2-Diphenylhydrazine	EPA 625.1
	EPA 8270E
2,3-Dichloroaniline	EPA 625.1
2-Nitroaniline	EPA 8270E
3-Nitroaniline	EPA 8270E
4-Chloroaniline	EPA 8270E
4-Nitroaniline	EPA 8270E
Aniline	EPA 625.1
	EPA 8270E
Carbazole	EPA 625.1
	EPA 8270E
Diphenylamine	EPA 8270E
Pyridine	EPA 625.1
	EPA 8270E

Benzidines

3,3'-Dichlorobenzidine	EPA 625.1
	EPA 8270E
Benzidine	EPA 625.1
	EPA 8270E

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
	EPA 608.3
4,4'-DDE	EPA 8081B
	EPA 608.3
4,4'-DDT	EPA 8081B
	EPA 608.3
Aldrin	EPA 8081B
	EPA 608.3
alpha-BHC	EPA 8081B
	EPA 608.3
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
	EPA 608.3
Chlordane Total	EPA 8081B
	EPA 608.3
delta-BHC	EPA 8081B
	EPA 608.3
Dieldrin	EPA 8081B
	EPA 608.3
Endosulfan I	EPA 8081B
	EPA 608.3
Endosulfan II	EPA 8081B
	EPA 608.3
Endosulfan sulfate	EPA 8081B

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Chlorinated Hydrocarbon Pesticides

Endosulfan sulfate	EPA 608.3
Endrin	EPA 8081B
	EPA 608.3
Endrin aldehyde	EPA 8081B
	EPA 608.3
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
	EPA 608.3
Heptachlor epoxide	EPA 8081B
	EPA 608.3
Lindane	EPA 8081B
	EPA 608.3
Methoxychlor	EPA 8081B
	EPA 608.3
Mirex	EPA 8081B
	EPA 608.3
Toxaphene	EPA 8081B
	EPA 608.3

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260D
1,2,4,5-Tetrachlorobenzene	EPA 8270E
1,2,4-Trichlorobenzene	EPA 625.1
	EPA 8270E

Chlorinated Hydrocarbons

2-Chloronaphthalene	EPA 625.1
	EPA 8270E
Hexachlorobenzene	EPA 625.1
	EPA 8270E
Hexachlorobutadiene	EPA 625.1
	EPA 8270E
Hexachlorocyclopentadiene	EPA 625.1
	EPA 8270E
Hexachloroethane	EPA 8260D
	EPA 625.1
	EPA 8270E

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
2,4-DB	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dichloroprop	EPA 8151A
Dinoseb	EPA 8151A
Pentachlorophenol	EPA 8151A

Demand

Biochemical Oxygen Demand	SM 5210B-2016
Carbonaceous BOD	SM 5210B-2016

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Demand		Low Level Halocarbons	
Chemical Oxygen Demand	SM 5220D-2011	1,2-Dibromoethane, Low Level	EPA 8011
Dissolved Gases		Low Level Polynuclear Aromatics	
Ethane	RSK-175	Acenaphthene Low Level	EPA 8270E SIM
Ethene (Ethylene)	RSK-175	Acenaphthylene Low Level	EPA 8270E SIM
Methane	RSK-175	Anthracene Low Level	EPA 8270E SIM
Fuel Oxygenates		Benzo(a)anthracene Low Level	EPA 8270E SIM
Methyl tert-butyl ether	EPA 8260D	Benzo(a)pyrene Low Level	EPA 8270E SIM
	EPA 624.1	Benzo(b)fluoranthene Low Level	EPA 8270E SIM
tert-butyl alcohol	EPA 8260D	Benzo(g,h,i)perylene Low Level	EPA 8270E SIM
	EPA 624.1	Benzo(k)fluoranthene Low Level	EPA 8270E SIM
Haloethers		Chrysene Low Level	EPA 8270E SIM
2,2'-Oxybis(1-chloropropane)	EPA 625.1	Dibenzo(a,h)anthracene Low Level	EPA 8270E SIM
	EPA 8270E	Fluoranthene Low Level	EPA 8270E SIM
4-Bromophenylphenyl ether	EPA 625.1	Fluorene Low Level	EPA 8270E SIM
	EPA 8270E	Indeno(1,2,3-cd)pyrene Low Level	EPA 8270E SIM
4-Chlorophenylphenyl ether	EPA 625.1	Naphthalene Low Level	EPA 8270E SIM
	EPA 8270E	Phenanthrene Low Level	EPA 8270E SIM
Bis(2-chloroethoxy)methane	EPA 625.1	Pyrene Low Level	EPA 8270E SIM
	EPA 8270E	Metals I	
Bis(2-chloroethyl)ether	EPA 625.1	Barium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 8270E		EPA 6010D
Low Level Halocarbons			EPA 6020B
1,2-Dibromo-3-chloropropane, Low Level	EPA 8011		EPA 200.8, Rev. 5.4 (1994)
		Cadmium, Total	EPA 200.7, Rev. 4.4 (1994)

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Metals I

Cadmium, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Calcium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Chromium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Copper, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Iron, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Lead, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Magnesium, Total	EPA 200.7, Rev. 4.4 (1994)

Metals I

Magnesium, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Manganese, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Nickel, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Potassium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Silver, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Sodium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Strontium, Total	EPA 200.7, Rev. 4.4 (1994)

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Metals I

Strontium, Total
EPA 6010D
EPA 6020B

Metals II

Aluminum, Total
EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
EPA 6020B
Antimony, Total
EPA 200.8, Rev. 5.4 (1994)
EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
EPA 6020B

Arsenic, Total
EPA 200.8, Rev. 5.4 (1994)
EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
EPA 6020B

Beryllium, Total
EPA 200.8, Rev. 5.4 (1994)
EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
EPA 6020B

Chromium VI
EPA 200.8, Rev. 5.4 (1994)
EPA 7196A
SM 3500-Cr B-2011

Mercury, Total
EPA 245.1, Rev. 3.0 (1994)
EPA 7470A

Selenium, Total
EPA 200.7, Rev. 4.4 (1994)

Metals II

Selenium, Total
EPA 6010D
EPA 6020B
EPA 200.8, Rev. 5.4 (1994)

Vanadium, Total
EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
EPA 6020B

Zinc, Total
EPA 200.8, Rev. 5.4 (1994)
EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
EPA 6020B
EPA 200.8, Rev. 5.4 (1994)

Metals III

Cobalt, Total
EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
EPA 6020B

Molybdenum, Total
EPA 200.8, Rev. 5.4 (1994)
EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
EPA 6020B

Thallium, Total
EPA 200.8, Rev. 5.4 (1994)
EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
EPA 6020B

EPA 200.8, Rev. 5.4 (1994)

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Metals III		Miscellaneous	
Tin, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B	Boron, Total	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)	Bromide	EPA 300.0, Rev. 2.1 (1993) EPA 9056A
Titanium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B	Color	SM 2120B-2011
	EPA 200.8, Rev. 5.4 (1994)	Cyanide, Available	SM 4500-CN G-2016
		Cyanide, Total	EPA 9014 SM 4500-CN E-2016
Uranium (Mass)	EPA 6020B EPA 200.8, Rev. 5.4 (1994)		EPA 9012B
		Oil and Grease Total Recoverable	EPA 1664A
		Organic Carbon, Total	SM 5310B-2011 EPA 9060A
Mineral		Phenols	EPA 420.1 (Rev. 1978) EPA 9065
Alkalinity	SM 2320B-2011	Silica, Dissolved	EPA 200.7, Rev. 4.4 (1994)
Calcium Hardness	EPA 200.7, Rev. 4.4 (1994)	Specific Conductance	EPA 120.1 (Rev. 1982) SM 2510B-2011
Chloride	EPA 300.0, Rev. 2.1 (1993) SM 4500-Cl- C-2011 EPA 9056A		EPA 9050A
Fluoride, Total	EPA 300.0, Rev. 2.1 (1993) EPA 9056A	Sulfide (as S)	EPA 9034
Hardness, Total	SM 2340B-2011	Turbidity	SM 2130 B-2011 EPA 180.1, Rev. 2.0 (1993)
Sulfate (as SO4)	EPA 300.0, Rev. 2.1 (1993) EPA 9056A		
Miscellaneous		Nitroaromatics and Isophorone	
Boron, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D	2,4-Dinitrotoluene	EPA 625.1 EPA 8270E
		2,6-Dinitrotoluene	EPA 625.1

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Nitroaromatics and Isophorone

2,6-Dinitrotoluene	EPA 8270E
Isophorone	EPA 625.1
	EPA 8270E
Nitrobenzene	EPA 625.1
	EPA 8270E

Nitrosoamines

N-Nitrosodimethylamine	EPA 625.1
	EPA 8270E
N-Nitrosodi-n-propylamine	EPA 625.1
	EPA 8270E
N-Nitrosodiphenylamine	EPA 625.1
	EPA 8270E

Nutrient

Ammonia (as N)	SM 4500-NH3 G-2011
Kjeldahl Nitrogen, Total	SM 4500-NH3 G-2011
Nitrate (as N)	EPA 300.0, Rev. 2.1 (1993)
	EPA 9056A
Nitrate-Nitrite (as N)	EPA 300.0, Rev. 2.1 (1993)
Nitrite (as N)	EPA 300.0, Rev. 2.1 (1993)
	SM 4500-NO2 B-2011
	EPA 9056A
Orthophosphate (as P)	EPA 300.0, Rev. 2.1 (1993)
	SM 4500-P E-2011
	EPA 9056A

Nutrient

Phosphorus, Total	EPA 365.3 (Issued 1978)

Organophosphate Pesticides

Atrazine	EPA 8270E

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D

Phthalate Esters

Benzyl butyl phthalate	EPA 625.1
	EPA 8270E
Bis(2-ethylhexyl) phthalate	EPA 625.1
	EPA 8270E
Diethyl phthalate	EPA 625.1
	EPA 8270E
Dimethyl phthalate	EPA 625.1
	EPA 8270E
Di-n-butyl phthalate	EPA 625.1
	EPA 8270E
Di-n-octyl phthalate	EPA 625.1
	EPA 8270E

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
	EPA 608.3
Aroclor 1221 (PCB-1221)	EPA 8082A

Serial No.: 64629

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2023
Issued April 01, 2022

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. EMANUEL HEDVAT
CHEMTECH
284 SHEFFIELD STREET
MOUNTAINSIDE, NJ 07092

NY Lab Id No: 11376

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Polychlorinated Biphenyls

Aroclor 1221 (PCB-1221)	EPA 608.3
Aroclor 1232 (PCB-1232)	EPA 8082A
	EPA 608.3
Aroclor 1242 (PCB-1242)	EPA 8082A
	EPA 608.3
Aroclor 1248 (PCB-1248)	EPA 8082A
	EPA 608.3
Aroclor 1254 (PCB-1254)	EPA 8082A
	EPA 608.3
Aroclor 1260 (PCB-1260)	EPA 8082A
	EPA 608.3
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A

Polynuclear Aromatics

Acenaphthene	EPA 625.1
	EPA 8270E
Acenaphthylene	EPA 625.1
	EPA 8270E
Anthracene	EPA 625.1
	EPA 8270E
Benzo(a)anthracene	EPA 625.1
	EPA 8270E
Benzo(a)pyrene	EPA 625.1
	EPA 8270E

Polynuclear Aromatics

Benzo(b)fluoranthene	EPA 625.1
	EPA 8270E
Benzo(g,h,i)perylene	EPA 625.1
	EPA 8270E
Benzo(k)fluoranthene	EPA 625.1
	EPA 8270E
Chrysene	EPA 625.1
	EPA 8270E
Dibenzo(a,h)anthracene	EPA 625.1
	EPA 8270E
Fluoranthene	EPA 625.1
	EPA 8270E
Fluorene	EPA 625.1
	EPA 8270E
Indeno(1,2,3-cd)pyrene	EPA 625.1
	EPA 8270E
Naphthalene	EPA 625.1
	EPA 8270E
Phenanthrene	EPA 625.1
	EPA 8270E
Pyrene	EPA 625.1
	EPA 8270E

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270E

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Priority Pollutant Phenols

2,4,5-Trichlorophenol	EPA 625.1 EPA 8270E
2,4,6-Trichlorophenol	EPA 625.1 EPA 8270E
2,4-Dichlorophenol	EPA 625.1 EPA 8270E
2,4-Dimethylphenol	EPA 625.1 EPA 8270E
2,4-Dinitrophenol	EPA 625.1 EPA 8270E
2-Chlorophenol	EPA 625.1 EPA 8270E
2-Methyl-4,6-dinitrophenol	EPA 625.1 EPA 8270E
2-Methylphenol	EPA 625.1 EPA 8270E
2-Nitrophenol	EPA 625.1 EPA 8270E
3-Methylphenol	EPA 625.1 EPA 8270E
4-Chloro-3-methylphenol	EPA 625.1 EPA 8270E
4-Methylphenol	EPA 625.1 EPA 8270E

Priority Pollutant Phenols

4-Nitrophenol	EPA 8151A EPA 625.1 EPA 8270E
Pentachlorophenol	EPA 625.1 EPA 8270E
Phenol	EPA 625.1 EPA 8270E

Residue

Settleable Solids	SM 2540 F-2015
Solids, Total	SM 2540 B-2015
Solids, Total Dissolved	SM 2540 C-2015
Solids, Total Suspended	SM 2540 D-2015
Solids, Volatile	EPA 160.4 (Issued 1971)

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270E
1,2-Dichlorobenzene, Semi-volatile	EPA 8270E
1,3-Dichlorobenzene, Semi-volatile	EPA 8270E
1,4-Dichlorobenzene, Semi-volatile	EPA 8270E
2-Methylnaphthalene	EPA 8270E
Acetophenone	EPA 625.1 EPA 8270E
alpha-Terpineol	EPA 625.1
Benzaldehyde	EPA 8270E
Benzoic Acid	EPA 8270E

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Semi-Volatile Organics

Benzyl alcohol	EPA 8270E
Caprolactam	EPA 8270E
Dibenzofuran	EPA 8270E
n-Decane	EPA 625.1
n-Octadecane	EPA 625.1

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260D
1,2,4-Trimethylbenzene	EPA 8260D
1,2-Dichlorobenzene	EPA 8260D
	EPA 624.1
1,3,5-Trimethylbenzene	EPA 8260D
1,3-Dichlorobenzene	EPA 8260D
	EPA 624.1
1,4-Dichlorobenzene	EPA 8260D
	EPA 624.1
2-Chlorotoluene	EPA 8260D
4-Chlorotoluene	EPA 8260D
Benzene	EPA 8260D
	EPA 624.1
Bromobenzene	EPA 8260D
Chlorobenzene	EPA 8260D
	EPA 624.1
Ethyl benzene	EPA 8260D
	EPA 624.1

Volatile Aromatics

Isopropylbenzene	EPA 8260D
m/p-Xylenes	EPA 8260D
	EPA 624.1
Naphthalene, Volatile	EPA 8260D
	EPA 624.1
n-Butylbenzene	EPA 8260D
n-Propylbenzene	EPA 8260D
o-Xylene	EPA 8260D
	EPA 624.1
p-Isopropyltoluene (P-Cymene)	EPA 8260D
sec-Butylbenzene	EPA 8260D
Styrene	EPA 8260D
	EPA 624.1
tert-Butylbenzene	EPA 8260D
Toluene	EPA 8260D
	EPA 624.1
Total Xylenes	EPA 8260D
	EPA 624.1

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260D
1,1,1-Trichloroethane	EPA 8260D
	EPA 624.1
1,1,2,2-Tetrachloroethane	EPA 8260D
	EPA 624.1

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Volatile Halocarbons

1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260D EPA 624.1
1,1,2-Trichloroethane	EPA 8260D EPA 624.1
1,1-Dichloroethane	EPA 8260D EPA 624.1
1,1-Dichloroethene	EPA 8260D EPA 624.1
1,1-Dichloropropene	EPA 8260D
1,2,3-Trichloropropane	EPA 8260D
1,2-Dibromo-3-chloropropane	EPA 8260D
1,2-Dibromoethane	EPA 8260D
1,2-Dichloroethane	EPA 8260D EPA 624.1
1,2-Dichloropropane	EPA 8260D EPA 624.1
1,3-Dichloropropane	EPA 8260D
2,2-Dichloropropane	EPA 8260D
2-Chloroethylvinyl ether	EPA 8260D EPA 624.1
Bromochloromethane	EPA 8260D
Bromodichloromethane	EPA 8260D EPA 624.1
Bromoform	EPA 8260D

Volatile Halocarbons

Bromoform	EPA 624.1
Bromomethane	EPA 8260D EPA 624.1
Carbon tetrachloride	EPA 8260D EPA 624.1
Chloroethane	EPA 8260D EPA 624.1
Chloroform	EPA 8260D EPA 624.1
Chloromethane	EPA 8260D EPA 624.1
cis-1,2-Dichloroethene	EPA 8260D EPA 624.1
cis-1,3-Dichloropropene	EPA 8260D EPA 624.1
Dibromochloromethane	EPA 8260D EPA 624.1
Dibromomethane	EPA 8260D
Dichlorodifluoromethane	EPA 8260D EPA 624.1
Hexachlorobutadiene, Volatile	EPA 8260D
Methyl iodide	EPA 8260D
Methylene chloride	EPA 8260D EPA 624.1

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Volatile Halocarbons

Tetrachloroethene	EPA 8260D EPA 624.1
trans-1,2-Dichloroethene	EPA 8260D EPA 624.1
trans-1,3-Dichloropropene	EPA 8260D EPA 624.1
Trichloroethene	EPA 8260D EPA 624.1
Trichlorofluoromethane	EPA 8260D EPA 624.1
Vinyl chloride	EPA 8260D EPA 624.1

Volatiles Organics

1,4-Dioxane	EPA 8260D EPA 8270E EPA 8270E SIM
2-Butanone (Methylethyl ketone)	EPA 8260D
2-Hexanone	EPA 8260D
4-Methyl-2-Pentanone	EPA 8260D EPA 624.1
Acetone	EPA 8260D EPA 624.1
Carbon Disulfide	EPA 8260D
Cyclohexane	EPA 8260D

Volatiles Organics

Ethyl Acetate	EPA 8260D
Methyl acetate	EPA 8260D
Methyl cyclohexane	EPA 8260D
Vinyl acetate	EPA 8260D EPA 624.1

Sample Preparation Methods

EPA 5030C
SM 4500-CN B-2016 and C-201
EPA 9030B
EPA 3010A
EPA 3005A
EPA 3510C
EPA 3520C
SM 4500-NH3 B-2011
SM 4500-N Org B-2011 or C-20
EPA 9010C

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
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Acrylates

Acrolein (Propenal)	EPA 8260D
Acrylonitrile	EPA 8260D

Amines

1,2-Diphenylhydrazine	EPA 8270E
2-Nitroaniline	EPA 8270E
3-Nitroaniline	EPA 8270E
4-Chloroaniline	EPA 8270E
4-Nitroaniline	EPA 8270E
Aniline	EPA 8270E
Carbazole	EPA 8270E
Diphenylamine	EPA 8270E

Benzidines

3,3'-Dichlorobenzidine	EPA 8270E
Benzidine	EPA 8270E

Characteristic Testing

Corrosivity (pH)	EPA 9040C
	EPA 9045D
Free Liquids	EPA 9095B
Ignitability	EPA 1030
	EPA 1010B
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
	EPA 8270E
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270E
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Mirex	EPA 8081B

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Chlorinated Hydrocarbon Pesticides

Toxaphene EPA 8081B

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene EPA 8260D
1,2,4,5-Tetrachlorobenzene EPA 8270E
1,2,4-Trichlorobenzene EPA 8270E
2-Chloronaphthalene EPA 8270E
Hexachlorobenzene EPA 8270E
Hexachlorobutadiene EPA 8270E
Hexachlorocyclopentadiene EPA 8270E
Hexachloroethane EPA 8270E

Chlorophenoxy Acid Pesticides

2,4,5-T EPA 8151A
2,4,5-TP (Silvex) EPA 8151A
2,4-D EPA 8151A
2,4-DB EPA 8151A
Dalapon EPA 8151A
Dicamba EPA 8151A
Dichloroprop EPA 8151A
Dinoseb EPA 8151A
MCPA EPA 8151A
MCPP EPA 8151A
Pentachlorophenol EPA 8151A

Haloethers

2,2'-Oxybis(1-chloropropane) EPA 8270E
4-Bromophenylphenyl ether EPA 8270E
4-Chlorophenylphenyl ether EPA 8270E
Bis(2-chloroethoxy)methane EPA 8270E
Bis(2-chloroethyl)ether EPA 8270E

Low Level Polynuclear Aromatic Hydrocarbons

Acenaphthene Low Level EPA 8270E SIM
Acenaphthylene Low Level EPA 8270E SIM
Anthracene Low Level EPA 8270E SIM
Benzo(a)anthracene Low Level EPA 8270E SIM
Benzo(a)pyrene Low Level EPA 8270E SIM
Benzo(b)fluoranthene Low Level EPA 8270E SIM
Benzo(g,h,i)perylene Low Level EPA 8270E SIM
Benzo(k)fluoranthene Low Level EPA 8270E SIM
Chrysene Low Level EPA 8270E SIM
Dibenzo(a,h)anthracene Low Level EPA 8270E SIM
Fluoranthene Low Level EPA 8270E SIM
Fluorene Low Level EPA 8270E SIM
Indeno(1,2,3-cd)pyrene Low Level EPA 8270E SIM
Naphthalene Low Level EPA 8270E SIM
Phenanthrene Low Level EPA 8270E SIM
Pyrene Low Level EPA 8270E SIM

Metals I

Barium, Total EPA 6010D

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Metals I

Barium, Total	EPA 6020B
Cadmium, Total	EPA 6010D
	EPA 6020B
Calcium, Total	EPA 6010D
	EPA 6020B
Chromium, Total	EPA 6010D
	EPA 6020B
Copper, Total	EPA 6010D
	EPA 6020B
Iron, Total	EPA 6010D
	EPA 6020B
Lead, Total	EPA 6010D
	EPA 6020B
Magnesium, Total	EPA 6010D
	EPA 6020B
Manganese, Total	EPA 6010D
	EPA 6020B
Nickel, Total	EPA 6010D
	EPA 6020B
Potassium, Total	EPA 6010D
	EPA 6020B
Silver, Total	EPA 6010D
	EPA 6020B
Sodium, Total	EPA 6010D

Metals I

Sodium, Total	EPA 6020B
Strontium, Total	EPA 6010D
	EPA 6020B

Metals II

Aluminum, Total	EPA 6010D
	EPA 6020B
Antimony, Total	EPA 6010D
	EPA 6020B
Arsenic, Total	EPA 6010D
	EPA 6020B
Beryllium, Total	EPA 6010D
	EPA 6020B
Chromium VI	EPA 7196A
Lithium, Total	EPA 6010D
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010D
	EPA 6020B
Vanadium, Total	EPA 6010D
	EPA 6020B
Zinc, Total	EPA 6010D
	EPA 6020B

Metals III

Cobalt, Total	EPA 6010D
	EPA 6020B

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Metals III

Molybdenum, Total	EPA 6010D
	EPA 6020B
Thallium, Total	EPA 6010D
	EPA 6020B
Tin, Total	EPA 6010D
	EPA 6020B
Titanium, Total	EPA 6010D
	EPA 6020B

Minerals

Bromide	EPA 9056A
Chloride	EPA 9056A
Fluoride, Total	EPA 9056A
Sulfate (as SO ₄)	EPA 9056A

Miscellaneous

Boron, Total	EPA 6010D
Cyanide, Total	EPA 9012B
Organic Carbon, Total	Lloyd Kahn Method
	EPA 9060A
Phenols	EPA 9065
Sulfide (as S)	EPA 9031
	EPA 9034

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8270E

Nitroaromatics and Isophorone

2,6-Dinitrotoluene	EPA 8270E
Isophorone	EPA 8270E
Nitrobenzene	EPA 8270E
Pyridine	EPA 8270E

Nitrosoamines

N-Nitrosodimethylamine	EPA 8270E
N-Nitrosodi-n-propylamine	EPA 8270E
N-Nitrosodiphenylamine	EPA 8270E

Nutrients

Nitrate (as N)	EPA 9056A
Nitrite (as N)	EPA 9056A
Orthophosphate (as P)	EPA 9056A

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D
Oil and Grease Total Recoverable	EPA 9071B (Solvent:Hexane)

Phthalate Esters

Benzyl butyl phthalate	EPA 8270E
Bis(2-ethylhexyl) phthalate	EPA 8270E
Diethyl phthalate	EPA 8270E
Dimethyl phthalate	EPA 8270E
Di-n-butyl phthalate	EPA 8270E
Di-n-octyl phthalate	EPA 8270E

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Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1016 (PCB-1016) in Oil	EPA 8082A
Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1221 (PCB-1221) in Oil	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1232 (PCB-1232) in Oil	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A
Aroclor 1242 (PCB-1242) in Oil	EPA 8082A
Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1248 (PCB-1248) in Oil	EPA 8082A
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1254 (PCB-1254) in Oil	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1260 (PCB-1260) in Oil	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A

Polynuclear Aromatic Hydrocarbons

Acenaphthene	EPA 8270E
Acenaphthylene	EPA 8270E
Anthracene	EPA 8270E
Benzo(a)anthracene	EPA 8270E
Benzo(a)pyrene	EPA 8270E
Benzo(b)fluoranthene	EPA 8270E
Benzo(g,h,i)perylene	EPA 8270E

Polynuclear Aromatic Hydrocarbons

Benzo(k)fluoranthene	EPA 8270E
Chrysene	EPA 8270E
Dibenzo(a,h)anthracene	EPA 8270E
Fluoranthene	EPA 8270E
Fluorene	EPA 8270E
Indeno(1,2,3-cd)pyrene	EPA 8270E
Naphthalene	EPA 8270E
Phenanthrene	EPA 8270E
Pyrene	EPA 8270E

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270E
2,4,5-Trichlorophenol	EPA 8270E
2,4-Dichlorophenol	EPA 8270E
2,4-Dimethylphenol	EPA 8270E
2,4-Dinitrophenol	EPA 8270E
2-Chlorophenol	EPA 8270E
2-Methyl-4,6-dinitrophenol	EPA 8270E
2-Methylphenol	EPA 8270E
2-Nitrophenol	EPA 8270E
3-Methylphenol	EPA 8270E
4-Chloro-3-methylphenol	EPA 8270E
4-Methylphenol	EPA 8270E
4-Nitrophenol	EPA 8151A
	EPA 8270E

Serial No.: 64630

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2023
Issued April 01, 2022

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. EMANUEL HEDVAT
CHEMTECH
284 SHEFFIELD STREET
MOUNTAINSIDE, NJ 07092

NY Lab Id No: 11376

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Priority Pollutant Phenols

Pentachlorophenol	EPA 8270E
Phenol	EPA 8270E

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270E
1,2-Dichlorobenzene, Semi-volatile	EPA 8270E
1,3-Dichlorobenzene, Semi-volatile	EPA 8270E
1,4-Dichlorobenzene, Semi-volatile	EPA 8270E
2-Methylnaphthalene	EPA 8270E
Acetophenone	EPA 8270E
Benzaldehyde	EPA 8270E
Benzoic Acid	EPA 8270E
Benzyl alcohol	EPA 8270E
Caprolactam	EPA 8270E
Dibenzofuran	EPA 8270E

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260D
1,2,4-Trimethylbenzene	EPA 8260D
1,2-Dichlorobenzene	EPA 8260D
1,3,5-Trimethylbenzene	EPA 8260D
1,3-Dichlorobenzene	EPA 8260D
1,4-Dichlorobenzene	EPA 8260D
2-Chlorotoluene	EPA 8260D
4-Chlorotoluene	EPA 8260D
Benzene	EPA 8260D

Volatile Aromatics

Bromobenzene	EPA 8260D
Chlorobenzene	EPA 8260D
Ethyl benzene	EPA 8260D
Isopropylbenzene	EPA 8260D
m/p-Xylenes	EPA 8260D
Naphthalene, Volatile	EPA 8260D
n-Butylbenzene	EPA 8260D
n-Propylbenzene	EPA 8260D
o-Xylene	EPA 8260D
p-Isopropyltoluene (P-Cymene)	EPA 8260D
sec-Butylbenzene	EPA 8260D
Styrene	EPA 8260D
tert-Butylbenzene	EPA 8260D
Toluene	EPA 8260D
Total Xylenes	EPA 8260D

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260D
1,1,1-Trichloroethane	EPA 8260D
1,1,2,2-Tetrachloroethane	EPA 8260D
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260D
1,1,2-Trichloroethane	EPA 8260D
1,1-Dichloroethane	EPA 8260D
1,1-Dichloroethene	EPA 8260D
1,1-Dichloropropene	EPA 8260D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Volatile Halocarbons

1,2,3-Trichloropropane	EPA 8260D
1,2-Dibromo-3-chloropropane	EPA 8260D
1,2-Dibromoethane	EPA 8260D
1,2-Dichloroethane	EPA 8260D
1,2-Dichloropropane	EPA 8260D
1,3-Dichloropropane	EPA 8260D
2,2-Dichloropropane	EPA 8260D
2-Chloroethylvinyl ether	EPA 8260D
Bromochloromethane	EPA 8260D
Bromodichloromethane	EPA 8260D
Bromoform	EPA 8260D
Bromomethane	EPA 8260D
Carbon tetrachloride	EPA 8260D
Chloroethane	EPA 8260D
Chloroform	EPA 8260D
Chloromethane	EPA 8260D
cis-1,2-Dichloroethene	EPA 8260D
cis-1,3-Dichloropropene	EPA 8260D
Dibromochloromethane	EPA 8260D
Dibromomethane	EPA 8260D
Dichlorodifluoromethane	EPA 8260D
Hexachlorobutadiene, Volatile	EPA 8260D
Methyl iodide	EPA 8260D
Methylene chloride	EPA 8260D

Volatile Halocarbons

Tetrachloroethene	EPA 8260D
trans-1,2-Dichloroethene	EPA 8260D
trans-1,3-Dichloropropene	EPA 8260D
Trichloroethene	EPA 8260D
Trichlorofluoromethane	EPA 8260D
Vinyl chloride	EPA 8260D

Volatile Organics

1,4-Dioxane	EPA 8260D
	EPA 8270E
	EPA 8270E SIM
2-Butanone (Methylethyl ketone)	EPA 8260D
2-Hexanone	EPA 8260D
4-Methyl-2-Pentanone	EPA 8260D
Acetone	EPA 8260D
Carbon Disulfide	EPA 8260D
Cyclohexane	EPA 8260D
Ethyl Acetate	EPA 8260D
Methyl acetate	EPA 8260D
Methyl cyclohexane	EPA 8260D
Methyl tert-butyl ether	EPA 8260D
tert-butyl alcohol	EPA 8260D
Vinyl acetate	EPA 8260D

Sample Preparation Methods

EPA 5035A-L

Serial No.: 64630

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Sample Preparation Methods

EPA 5035A-H
EPA 3580A
EPA 9030B
EPA 3050B
EPA 3060A
EPA 3541
EPA 9010C

NEW
YORK
STATE

Department
of Health

Serial No.: 64630

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:*

Acrylates

Methyl methacrylate EPA TO-15

Chlorinated Hydrocarbons

1,2,4-Trichlorobenzene EPA TO-15

Hexachlorobutadiene EPA TO-15

Polynuclear Aromatics

Naphthalene EPA TO-15

Purgeable Aromatics

1,2,4-Trimethylbenzene EPA TO-15

1,2-Dichlorobenzene EPA TO-15

1,3,5-Trimethylbenzene EPA TO-15

1,3-Dichlorobenzene EPA TO-15

1,4-Dichlorobenzene EPA TO-15

2-Chlorotoluene EPA TO-15

Benzene EPA TO-15

Chlorobenzene EPA TO-15

Ethyl benzene EPA TO-15

Isopropylbenzene EPA TO-15

m/p-Xylenes EPA TO-15

o-Xylene EPA TO-15

Styrene EPA TO-15

Toluene EPA TO-15

Total Xylenes EPA TO-15

Purgeable Halocarbons

1,1,1-Trichloroethane EPA TO-15

1,1,2,2-Tetrachloroethane EPA TO-15

1,1,2-Trichloro-1,2,2-Trifluoroethane EPA TO-15

1,1,2-Trichloroethane EPA TO-15

1,1-Dichloroethane EPA TO-15

1,1-Dichloroethene EPA TO-15

1,2-Dibromoethane EPA TO-15

1,2-Dichloroethane EPA TO-15

1,2-Dichloropropane EPA TO-15

3-Chloropropene (Allyl chloride) EPA TO-15

Bromodichloromethane EPA TO-15

Bromoform EPA TO-15

Bromomethane EPA TO-15

Carbon tetrachloride EPA TO-15

Chloroethane EPA TO-15

Chloroform EPA TO-15

Chloromethane EPA TO-15

cis-1,2-Dichloroethene EPA TO-15

cis-1,3-Dichloropropene EPA TO-15

Dibromochloromethane EPA TO-15

Dichlorodifluoromethane EPA TO-15

Methylene chloride EPA TO-15

Tetrachloroethene EPA TO-15

trans-1,2-Dichloroethene EPA TO-15

Serial No.: 64631

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2023
Issued April 01, 2022

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MR. EMANUEL HEDVAT
CHEMTECH
284 SHEFFIELD STREET
MOUNTAINSIDE, NJ 07092

NY Lab Id No: 11376

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All approved analytes are listed below:*

Purgeable Halocarbons

trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15
Trichlorofluoromethane	EPA TO-15
Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-15

Volatile Chlorinated Organics

Benzyl chloride	EPA TO-15

Volatile Organics

1,2-Dichlorotetrafluoroethane	EPA TO-15
1,3-Butadiene	EPA TO-15
1,4-Dioxane	EPA TO-15
2,2,4-Trimethylpentane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15
4-Methyl-2-Pentanone	EPA TO-15
Acetone	EPA TO-15
Carbon Disulfide	EPA TO-15
Cyclohexane	EPA TO-15
Hexane	EPA TO-15
Isopropanol	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
n-Heptane	EPA TO-15
tert-butyl alcohol	EPA TO-15
Vinyl acetate	EPA TO-15

NEW
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of Health

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ATTACHMENT C

LABORATORY ANALYTICAL REPORTS

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
GENERAL CHEMISTRY
SEMI-VOLATILE ORGANICS

PROJECT NAME : CON EDISON - ATLANTIC AVENUE #5324-E02

D&B ENGINEERS AND ARCHITECTS, P.C.

330 Crossways Park Drive

Woodbury, NY - 11797

Phone No: 516-364-9890

ORDER ID : 05622

ATTENTION : Thomas P. Fox



Laboratory Certification ID # 20012



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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-1

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-1A	O5622-01	8260-Low					300.0
MW-5	O5622-02	8260-Low					300.0
MW-10D	O5622-03	8260-Low					300.0
MW-6	O5622-04	8260-Low	8270E				300.0

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
O5622-04	Water	11/29/23	12/04/23	12/05/23	12/15/23

* Details For Test : SVOCMS Group1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
O5622-01	Water	11/29/23	12/04/23		12/05/23
O5622-02	Water	11/29/23	12/04/23		12/05/23
O5622-03	Water	11/29/23	12/04/23		12/05/23
O5622-04	Water	11/29/23	12/04/23		12/05/23

* Details For Test : VOCMS Group1

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
O5622-01	Water	8260-Low	5030		
O5622-02	Water	8260-Low	5030		
O5622-03	Water	8260-Low	5030		
O5622-04	Water	8260-Low	5030		



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
O5622-04	Water	8270E	NA		

Cover Page

Order ID : O5622

Project ID : Con Edison - Atlantic Avenue #5324-E02

Client : D&B Engineers and Architects, P.C.

Lab Sample Number

O5622-01
O5622-02
O5622-03
O5622-04

Client Sample Number

MW-1A
MW-5
MW-10D
MW-6

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 10:21 am, Dec 21, 2023

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

D&B Engineers and Architects, P.C.

Project Name: Con Edison - Atlantic Avenue #5324-E02

Project # N/A

Chemtech Project # O5622

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

4 Water samples were received on 12/04/2023.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Anions Group1, SVOCMS Group1 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82N111623W.M) for Chloroethane this compound is passing on Quadratic Regression.

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

Sample MW-6 was diluted due to high concentration.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_

N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 10:22 am, Dec 21, 2023

CASE NARRATIVE

D&B Engineers and Architects, P.C.

Project Name: Con Edison - Atlantic Avenue #5324-E02

Project # N/A

Chemtech Project # O5622

Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:

4 Water samples were received on 12/04/2023.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Anions Group1, SVOCMS Group1 and VOCMS Group1. This data package contains results for SVOCMS Group1.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOCMS Group1 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for MW-06IMS [Nitrobenzene-d5 - 188%], MW-06IMSD [Nitrobenzene-d5 - 195%] due to matrix interference.

The Internal Standards Areas met the acceptable requirements except for MW-06IMS and MW-06IMSD due to matrix interference and it is confirm with their original sample. The Retention Times were acceptable for all samples.

The MS {O5612-02MS} with File ID: BF136575.D recoveries met the requirements for all compounds except for 1,4-Dioxane[36%], 2,3,4,6-Tetrachlorophenol[82%], 2,4-Dichlorophenol[11%], 2,4-Dimethylphenol[220%], 2-Methylnaphthalene[320%], 2-Nitrophenol[220%], 4-Chloro-3-methylphenol[160%], 4-Chloroaniline[4000%], Acetophenone[240%], bis(2-Chloroethoxy)methane[175%], Hexachlorobutadiene[174%], Isophorone[26%], Naphthalene[400%] and Nitrobenzene[220%] due to matrix interference.

The MSD {O5612-03MSD} with File ID: BF136576.D recoveries met the acceptable requirements except for 1,4-Dioxane[37%], 2,3,4,6-Tetrachlorophenol[83%], 2,4-Dichlorophenol[13%], 2,4-Dimethylphenol[220%], 2-Methylnaphthalene[320%], 2-Nitrophenol[220%], 4-Chloro-3-methylphenol[164%], 4-Chloroaniline[4000%], Acetophenone[240%], bis(2-Chloroethoxy)methane[22%], Hexachlorobutadiene[170%],

Isophorone[26%], Naphthalene[400%] and Nitrobenzene[220%] due to matrix interference.

The RPD for {O5612-03MSD} with File ID: BF136576.D met criteria except for bis(2-Chloroethoxy)methane[155%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 15% in the Initial Calibration method (Method 8270-BF120523.M) for Benzaldehyde, this compound is passing on Quadratic regression.

The % RSD is greater than 15% in the Initial Calibration method (Method 8270-BF122023.M) for Hexachlorocyclopentadiene ,2,4-Dinitrophenol, these compounds are passing on Linear Regression.

The Continuous Calibration File ID BF136585.D met the requirements except for 4-Nitrophenol and Benzo(b)fluoranthene are failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 10:22 am, Dec 21, 2023

CASE NARRATIVE**D&B Engineers and Architects, P.C.****Project Name: Con Edison - Atlantic Avenue #5324-E02****Project # N/A****Chemtech Project # O5622****Test Name: Anions Group1****A. Number of Samples and Date of Receipt:**

4 Water samples were received on 12/04/2023.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Anions Group1, SVOCMS Group1 and VOCMS Group1. This data package contains results for Anions Group1.

C. Analytical Techniques:

The analysis of Anions Group1 was based on method 300.0.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample MW-6 was diluted due to high concentrations for Sulfate.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

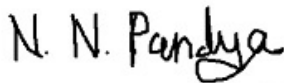
The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_

**APPROVED***By Nimisha Pandya QA/QC Supervisor at 10:22 am, Dec 21, 2023*

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: O5622

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

1st Level QA Review Signature: SOHIL JODHANI

Date: 12/21/2023

2nd Level QA Review Signature:

N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 10:23 am, Dec 21, 2023



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5622	OrderDate:	12/4/2023 2:23:00 PM
Client:	D&B Engineers and Architects, P.C.	Project:	Con Edison - Atlantic Avenue #5324-E02
Contact:	Thomas P. Fox	Location:	L11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5622-01	MW-1A	Water	VOCMS Group1	8260-Low	11/29/23		12/05/23	12/04/23
O5622-02	MW-5	Water	VOCMS Group1	8260-Low	11/29/23		12/05/23	12/04/23
O5622-03	MW-10D	Water	VOCMS Group1	8260-Low	11/29/23		12/05/23	12/04/23
O5622-04	MW-6	Water	VOCMS Group1	8260-Low	11/29/23		12/05/23	12/04/23
O5622-04DL	MW-6DL	Water	VOCMS Group1	8260-Low	11/29/23		12/05/23	12/04/23

Hit Summary Sheet SW-846

SDG No.: O5622

Client: D&B Engineers and Architects, P.C.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW-1A							
O5622-01	MW-1A	Water	Methyl tert-butyl Ether	1.80		0.14	1.00	ug/L
O5622-01	MW-1A	Water	Chloroform	0.88	J	0.14	1.00	ug/L
O5622-01	MW-1A	Water	Benzene	33.2		0.12	1.00	ug/L
O5622-01	MW-1A	Water	Toluene	0.72	J	0.14	1.00	ug/L
O5622-01	MW-1A	Water	Ethyl Benzene	1.80		0.13	1.00	ug/L
O5622-01	MW-1A	Water	m/p-Xylenes	0.89	J	0.31	2.00	ug/L
			Total Voc :			39.3		
O5622-01	MW-1A	Water	Butane, 2-methoxy-2-methyl-	* 17.9	J	0	0	ug/L
O5622-01	MW-1A	Water	1,2,4-Trimethylbenzene	* 0.24	J	0.16	1.00	ug/L
			Total Tics :			18.1		
			Total Concentration:			57.4		
Client ID:	MW-5							
O5622-02	MW-5	Water	Chloroform	1.10		0.14	1.00	ug/L
O5622-02	MW-5	Water	Tetrachloroethene	1.90		0.17	1.00	ug/L
			Total Voc :			3.00		
			Total Concentration:			3.00		
Client ID:	MW-10D							
O5622-03	MW-10D	Water	Chloroform	1.10		0.14	1.00	ug/L
O5622-03	MW-10D	Water	Tetrachloroethene	1.90		0.17	1.00	ug/L
			Total Voc :			3.00		
O5622-03	MW-10D	Water	Naphthalene	* 3.70	J	0.63	1.00	ug/L
			Total Tics :			3.70		
			Total Concentration:			6.70		
Client ID:	MW-6							
O5622-04	MW-6	Water	Acetone	10.7		1.20	5.00	ug/L
O5622-04	MW-6	Water	Cyclohexane	8.60		1.60	5.00	ug/L
O5622-04	MW-6	Water	2-Butanone	3.10	J	1.20	5.00	ug/L
O5622-04	MW-6	Water	Chloroform	1.30		0.14	1.00	ug/L
O5622-04	MW-6	Water	Methylcyclohexane	9.30		0.16	1.00	ug/L
O5622-04	MW-6	Water	Benzene	240	E	0.12	1.00	ug/L
O5622-04	MW-6	Water	Toluene	37.8		0.14	1.00	ug/L
O5622-04	MW-6	Water	Ethyl Benzene	80.3		0.13	1.00	ug/L
O5622-04	MW-6	Water	m/p-Xylenes	130		0.31	2.00	ug/L
O5622-04	MW-6	Water	o-Xylene	36.1		0.15	1.00	ug/L
O5622-04	MW-6	Water	Isopropylbenzene	5.10		0.13	1.00	ug/L
			Total Voc :			562		
O5622-04	MW-6	Water	unknown5.806	* 25.9	J	0	0	ug/L
O5622-04	MW-6	Water	Benzene, 1,2,4,5-tetramethyl-	* 20.4	J	0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: O5622
Client: D&B Engineers and Architects, P.C.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5622-04	MW-6	Water	Indane	* 61.2	J	0	0	ug/L
O5622-04	MW-6	Water	Benzene, 1,2,3,5-tetramethyl-	* 19.4	J	0	0	ug/L
O5622-04	MW-6	Water	o-Cymene	* 15.7	J	0	0	ug/L
O5622-04	MW-6	Water	Benzene, 1-ethyl-4-methyl-	* 41.3	J	0	0	ug/L
O5622-04	MW-6	Water	Benzene, (2-methyl-1-propenyl	* 21.6	J	0	0	ug/L
O5622-04	MW-6	Water	Butane, 2-methoxy-2-methyl-	* 170	J	0	0	ug/L
O5622-04	MW-6	Water	Benzene, 1-ethenyl-4-ethyl-	* 21.4	J	0	0	ug/L
O5622-04	MW-6	Water	1H-Indene, 2,3-dihydro-1,3-din	* 17.0	J	0	0	ug/L
O5622-04	MW-6	Water	n-propylbenzene	* 5.70	J	0.15	1.00	ug/L
O5622-04	MW-6	Water	1,3,5-Trimethylbenzene	* 11.3	J	0.17	1.00	ug/L
O5622-04	MW-6	Water	1,2,4-Trimethylbenzene	* 60.3	J	0.16	1.00	ug/L
O5622-04	MW-6	Water	sec-Butylbenzene	* 0.86	J	0.16	1.00	ug/L
O5622-04	MW-6	Water	p-Isopropyltoluene	* 0.92	J	0.16	1.00	ug/L
Total Tics :				493				
Total Concentration:				1060				
Client ID:	MW-6DL							
O5622-04DL	MW-6DL	Water	Methylcyclohexane	10.1	JD	3.20	20.0	ug/L
O5622-04DL	MW-6DL	Water	Benzene	250	D	2.40	20.0	ug/L
O5622-04DL	MW-6DL	Water	Toluene	37.8	D	2.80	20.0	ug/L
O5622-04DL	MW-6DL	Water	Ethyl Benzene	71.9	D	2.60	20.0	ug/L
O5622-04DL	MW-6DL	Water	m/p-Xylenes	120	D	6.20	40.0	ug/L
O5622-04DL	MW-6DL	Water	o-Xylene	37.5	D	3.00	20.0	ug/L
Total Voc :				527				
Total Concentration:				527				

SAMPLE DATA

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-1A	SDG No.:	O5622
Lab Sample ID:	O5622-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080363.D	1		12/05/23 13:59	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.80		0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	0.88	J	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	33.2		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	0.72	J	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-1A	SDG No.:	O5622
Lab Sample ID:	O5622-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080363.D	1		12/05/23 13:59	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.80		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.89	J	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		64 - 133	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	8.224			
540-36-3	1,4-Difluorobenzene	308000	9.106			
3114-55-4	Chlorobenzene-d5	319000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.794			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	17.9	J		8.78	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.24	J		13.5	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/04/23
Client Sample ID:	MW-1A		SDG No.:	O5622
Lab Sample ID:	O5622-01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080363.D	1		12/05/23 13:59	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-5	SDG No.:	O5622
Lab Sample ID:	O5622-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080364.D	1		12/05/23 14:23	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.10		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-5	SDG No.:	O5622
Lab Sample ID:	O5622-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080364.D	1		12/05/23 14:23	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.90		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	50.5		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		64 - 133	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	165000	8.224			
540-36-3	1,4-Difluorobenzene	291000	9.106			
3114-55-4	Chlorobenzene-d5	303000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.794			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/04/23
Client Sample ID:	MW-5		SDG No.:	O5622
Lab Sample ID:	O5622-02		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080364.D	1		12/05/23 14:23	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	11/29/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/04/23	
Client Sample ID:	MW-10D		SDG No.:	O5622	
Lab Sample ID:	O5622-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080365.D	1		12/05/23 14:47	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.10		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-10D	SDG No.:	O5622
Lab Sample ID:	O5622-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080365.D	1		12/05/23 14:47	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.90		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		74 - 125	112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		64 - 133	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	150000	8.224			
540-36-3	1,4-Difluorobenzene	283000	9.106			
3114-55-4	Chlorobenzene-d5	302000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.794			
TENTATIVE IDENTIFIED COMPOUNDS						
91-20-3	Naphthalene	3.70	J		15.6	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-10D	SDG No.:	O5622
Lab Sample ID:	O5622-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080365.D	1		12/05/23 14:47	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-6	SDG No.:	O5622
Lab Sample ID:	O5622-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080372.D	1		12/05/23 17:44	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	10.7		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	8.60		1.60	5.00	ug/L
78-93-3	2-Butanone	3.10	J	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.30		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	9.30		0.16	1.00	ug/L
71-43-2	Benzene	240	E	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	37.8		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-6	SDG No.:	O5622
Lab Sample ID:	O5622-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080372.D	1		12/05/23 17:44	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	80.3		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	130		0.31	2.00	ug/L
95-47-6	o-Xylene	36.1		0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	5.10		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	50.9		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		64 - 133	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	185000	8.23			
540-36-3	1,4-Difluorobenzene	332000	9.106			
3114-55-4	Chlorobenzene-d5	354000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	172000	13.794			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown5.806	25.9	J		5.81	ug/L
000994-05-8	Butane, 2-methoxy-2-methyl-	170	J		8.78	ug/L
103-65-1	n-propylbenzene	5.70	J		13.0	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-6	SDG No.:	O5622
Lab Sample ID:	O5622-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080372.D	1		12/05/23 17:44	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	11.3	J		13.2	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	41.3	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	60.3	J		13.5	ug/L
135-98-8	sec-Butylbenzene	0.86	J		13.6	ug/L
99-87-6	p-Isopropyltoluene	0.92	J		13.7	ug/L
000496-11-7	Indane	61.2	J		14.0	ug/L
000527-84-4	o-Cymene	15.7	J		14.3	ug/L
000768-49-0	Benzene, (2-methyl-1-propenyl)-	21.6	J		14.4	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	19.4	J		14.7	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	20.4	J		14.7	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	21.4	J		15.1	ug/L
004175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethy	17.0	J		15.3	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-6DL	SDG No.:	O5622
Lab Sample ID:	O5622-04DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080362.D	20		12/05/23 13:36	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0	UD	2.80	20.0	ug/L
74-87-3	Chloromethane	20.0	UD	5.00	20.0	ug/L
75-01-4	Vinyl Chloride	20.0	UD	5.00	20.0	ug/L
74-83-9	Bromomethane	100	UD	31.0	100	ug/L
75-00-3	Chloroethane	20.0	UD	5.60	20.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	2.60	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	UD	4.20	20.0	ug/L
75-35-4	1,1-Dichloroethene	20.0	UD	4.20	20.0	ug/L
67-64-1	Acetone	100	UD	23.0	100	ug/L
75-15-0	Carbon Disulfide	20.0	UD	5.40	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	2.80	20.0	ug/L
79-20-9	Methyl Acetate	20.0	UD	7.20	20.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	UD	3.40	20.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	3.20	20.0	ug/L
110-82-7	Cyclohexane	100	UD	32.0	100	ug/L
78-93-3	2-Butanone	100	UD	24.2	100	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	2.60	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0	UD	4.00	20.0	ug/L
74-97-5	Bromochloromethane	20.0	UD	2.80	20.0	ug/L
67-66-3	Chloroform	20.0	UD	2.80	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	2.80	20.0	ug/L
108-87-2	Methylcyclohexane	10.1	JD	3.20	20.0	ug/L
71-43-2	Benzene	250	D	2.40	20.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	3.20	20.0	ug/L
79-01-6	Trichloroethene	20.0	UD	5.20	20.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	3.00	20.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	3.00	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	14.8	100	ug/L
108-88-3	Toluene	37.8	D	2.80	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0	UD	3.40	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	3.00	20.0	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-6DL	SDG No.:	O5622
Lab Sample ID:	O5622-04DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080362.D	20		12/05/23 13:36	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.0	UD	2.60	20.0	ug/L
591-78-6	2-Hexanone	100	UD	19.6	100	ug/L
124-48-1	Dibromochloromethane	20.0	UD	3.00	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	2.60	20.0	ug/L
127-18-4	Tetrachloroethene	20.0	UD	3.40	20.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	2.40	20.0	ug/L
100-41-4	Ethyl Benzene	71.9	D	2.60	20.0	ug/L
179601-23-1	m/p-Xylenes	120	D	6.20	40.0	ug/L
95-47-6	o-Xylene	37.5	D	3.00	20.0	ug/L
100-42-5	Styrene	20.0	UD	2.60	20.0	ug/L
75-25-2	Bromoform	20.0	UD	3.00	20.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	2.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	3.00	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	4.60	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	4.80	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	3.40	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	UD	8.60	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	8.60	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	11.0	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	49.7		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		64 - 133	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	8.224			
540-36-3	1,4-Difluorobenzene	299000	9.1			
3114-55-4	Chlorobenzene-d5	317000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	150000	13.794			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-6DL	SDG No.:	O5622
Lab Sample ID:	O5622-04DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080362.D	20		12/05/23 13:36	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SDG No.: O5622

Client: D&B Engineers and Architects, P.C.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
O5622-01	MW-1A	1,2-Dichloroethane-d4	50	54.8	110	74	125
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	52.1	104	64	133
O5622-02	MW-5	1,2-Dichloroethane-d4	50	52.9	106	74	125
		Dibromofluoromethane	50	53.6	107	75	124
		Toluene-d8	50	50.5	101	86	113
		4-Bromofluorobenzene	50	50.1	100	64	133
O5622-03	MW-10D	1,2-Dichloroethane-d4	50	55.9	112	74	125
		Dibromofluoromethane	50	53.1	106	75	124
		Toluene-d8	50	50.2	100	86	113
		4-Bromofluorobenzene	50	52.6	105	64	133
O5622-04	MW-6	1,2-Dichloroethane-d4	50	49.8	100	74	125
		Dibromofluoromethane	50	50.3	101	75	124
		Toluene-d8	50	50.9	102	86	113
		4-Bromofluorobenzene	50	55.7	111	64	133
O5622-04DL	MW-6DL	1,2-Dichloroethane-d4	50	53.6	107	74	125
		Dibromofluoromethane	50	52.1	104	75	124
		Toluene-d8	50	49.7	99	86	113
		4-Bromofluorobenzene	50	53.9	108	64	133
VN1205WBL01	VN1205WBL01	1,2-Dichloroethane-d4	50	55.9	112	74	125
		Dibromofluoromethane	50	53.8	108	75	124
		Toluene-d8	50	50.3	101	86	113
		4-Bromofluorobenzene	50	51.4	103	64	133
VN1205WBS01	VN1205WBS01	1,2-Dichloroethane-d4	50	48.0	96	74	125
		Dibromofluoromethane	50	51.4	103	75	124
		Toluene-d8	50	49.5	99	86	113
		4-Bromofluorobenzene	50	49.5	99	64	133
VN1205WBSD0	VN1205WBSD01	1,2-Dichloroethane-d4	50	44.0	88	74	125
		Dibromofluoromethane	50	47.0	94	75	124
		Toluene-d8	50	45.8	92	86	113
		4-Bromofluorobenzene	50	45.7	91	64	133

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5622

Client: D&B Engineers and Architects, P.C.

Analytical Method: SW8260-Low

Datafile : VN080357.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN1205WBS01	Dichlorodifluoromethane	20	18.4	ug/L	92			69	116	
	Chloromethane	20	16.7	ug/L	84			65	116	
	Vinyl chloride	20	18.3	ug/L	92			65	117	
	Bromomethane	20	18.6	ug/L	93			58	125	
	Chloroethane	20	18.4	ug/L	92			56	128	
	Trichlorofluoromethane	20	19.5	ug/L	98			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.8	ug/L	94			80	112	
	1,1-Dichloroethene	20	19.1	ug/L	96			74	110	
	Acetone	100	73.4	ug/L	73			60	125	
	Carbon disulfide	20	16.8	ug/L	84			64	112	
	Methyl tert-butyl Ether	20	18.9	ug/L	95			78	114	
	Methyl Acetate	20	16.5	ug/L	83			67	125	
	Methylene Chloride	20	19.7	ug/L	99			72	114	
	trans-1,2-Dichloroethene	20	19.2	ug/L	96			75	108	
	1,1-Dichloroethane	20	18.4	ug/L	92			78	112	
	Cyclohexane	20	16.4	ug/L	82			75	110	
	2-Butanone	100	77.3	ug/L	77			65	122	
	Carbon Tetrachloride	20	20.4	ug/L	102			77	113	
	cis-1,2-Dichloroethene	20	18.8	ug/L	94			77	110	
	Bromochloromethane	20	16.9	ug/L	85			70	124	
	Chloroform	20	20.2	ug/L	101			79	113	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			80	108	
	Methylcyclohexane	20	17.9	ug/L	90			72	115	
	Benzene	20	19.6	ug/L	98			82	109	
	1,2-Dichloroethane	20	20.8	ug/L	104			80	115	
	Trichloroethene	20	19.7	ug/L	99			77	113	
	1,2-Dichloropropane	20	19.9	ug/L	100			83	111	
	Bromodichloromethane	20	20.5	ug/L	103			83	110	
	4-Methyl-2-Pentanone	100	88.6	ug/L	89			74	118	
	Toluene	20	20.4	ug/L	102			82	110	
	t-1,3-Dichloropropene	20	19.6	ug/L	98			79	110	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			82	110	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			83	112	
	2-Hexanone	100	81.8	ug/L	82			73	117	
	Dibromochloromethane	20	21.0	ug/L	105			82	110	
	1,2-Dibromoethane	20	19.3	ug/L	97			81	110	
	Tetrachloroethene	20	22.0	ug/L	110			67	123	
	Chlorobenzene	20	19.9	ug/L	100			82	109	
	Ethyl Benzene	20	19.8	ug/L	99			83	109	
	m/p-Xylenes	40	41.1	ug/L	103			82	110	
	o-Xylene	20	21.3	ug/L	106			83	109	
	Styrene	20	20.8	ug/L	104			80	111	
	Bromoform	20	21.3	ug/L	106			79	109	
	Isopropylbenzene	20	20.3	ug/L	102			83	112	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94			76	118	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			82	108	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			82	107	
	1,2-Dichlorobenzene	20	19.7	ug/L	99			82	109	
	1,2-Dibromo-3-Chloropropane	20	17.7	ug/L	89			68	112	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5622
Client: D&B Engineers and Architects, P.C.
Analytical Method: SW8260-Low

Datafile : VN080357.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN1205WBS01	1,2,4-Trichlorobenzene	20	16.4	ug/L	82			55	133	
	1,2,3-Trichlorobenzene	20	16.5	ug/L	83			59	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5622

Client: D&B Engineers and Architects, P.C.

Analytical Method: SW8260-Low

Datafile : VN080369.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN1205WBSD01	Dichlorodifluoromethane	20	18.7	ug/L	94	2		69	116	20
	Chloromethane	20	17.2	ug/L	86	2		65	116	20
	Vinyl chloride	20	18.4	ug/L	92	0		65	117	20
	Bromomethane	20	18.2	ug/L	91	2		58	125	20
	Chloroethane	20	18.4	ug/L	92	0		56	128	20
	Trichlorofluoromethane	20	20.4	ug/L	102	4		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/L	97	3		80	112	20
	1,1-Dichloroethene	20	19.4	ug/L	97	1		74	110	20
	Acetone	100	75.0	ug/L	75	3		60	125	20
	Carbon disulfide	20	16.9	ug/L	85	1		64	112	20
	Methyl tert-butyl Ether	20	19.6	ug/L	98	3		78	114	20
	Methyl Acetate	20	18.4	ug/L	92	10		67	125	20
	Methylene Chloride	20	19.9	ug/L	100	1		72	114	20
	trans-1,2-Dichloroethene	20	19.6	ug/L	98	2		75	108	20
	1,1-Dichloroethane	20	19.0	ug/L	95	3		78	112	20
	Cyclohexane	20	18.4	ug/L	92	11		75	110	20
	2-Butanone	100	78.9	ug/L	79	3		65	122	20
	Carbon Tetrachloride	20	21.0	ug/L	105	3		77	113	20
	cis-1,2-Dichloroethene	20	19.1	ug/L	96	2		77	110	20
	Bromochloromethane	20	18.7	ug/L	94	10		70	124	20
	Chloroform	20	20.4	ug/L	102	1		79	113	20
	1,1,1-Trichloroethane	20	20.4	ug/L	102	2		80	108	20
	Methylcyclohexane	20	18.8	ug/L	94	4		72	115	20
	Benzene	20	19.5	ug/L	98	0		82	109	20
	1,2-Dichloroethane	20	21.2	ug/L	106	2		80	115	20
	Trichloroethene	20	20.6	ug/L	103	4		77	113	20
	1,2-Dichloropropane	20	20.1	ug/L	101	1		83	111	20
	Bromodichloromethane	20	20.8	ug/L	104	1		83	110	20
	4-Methyl-2-Pentanone	100	94.6	ug/L	95	7		74	118	20
	Toluene	20	20.4	ug/L	102	0		82	110	20
	t-1,3-Dichloropropene	20	19.7	ug/L	99	1		79	110	20
	cis-1,3-Dichloropropene	20	19.8	ug/L	99	2		82	110	20
	1,1,2-Trichloroethane	20	21.0	ug/L	105	3		83	112	20
	2-Hexanone	100	85.3	ug/L	85	4		73	117	20
	Dibromochloromethane	20	20.6	ug/L	103	2		82	110	20
	1,2-Dibromoethane	20	20.3	ug/L	102	5		81	110	20
	Tetrachloroethene	20	21.8	ug/L	109	1		67	123	20
	Chlorobenzene	20	20.0	ug/L	100	0		82	109	20
	Ethyl Benzene	20	20.3	ug/L	102	3		83	109	20
	m/p-Xylenes	40	41.5	ug/L	104	1		82	110	20
	o-Xylene	20	20.8	ug/L	104	2		83	109	20
	Styrene	20	21.4	ug/L	107	3		80	111	20
	Bromoform	20	21.1	ug/L	106	0		79	109	20
	Isopropylbenzene	20	20.3	ug/L	102	0		83	112	20
	1,1,2,2-Tetrachloroethane	20	18.9	ug/L	95	1		76	118	20
	1,3-Dichlorobenzene	20	19.6	ug/L	98	3		82	108	20
	1,4-Dichlorobenzene	20	19.6	ug/L	98	3		82	107	20
	1,2-Dichlorobenzene	20	19.7	ug/L	99	0		82	109	20
	1,2-Dibromo-3-Chloropropane	20	17.8	ug/L	89	0		68	112	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5622
Client: D&B Engineers and Architects, P.C.
Analytical Method: SW8260-Low

Datafile : VN080369.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN1205WBSD01	1,2,4-Trichlorobenzene	20	16.7	ug/L	84	2		55	133	20
	1,2,3-Trichlorobenzene	20	17.5	ug/L	88	6		59	129	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1205WBL01

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM Case No.: 05622

SAS No.: 05622 SDG NO.: 05622

Lab File ID: VN080356.D

Lab Sample ID: VN1205WBL01

Date Analyzed: 12/05/2023

Time Analyzed: 11:04

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1205WBS01	VN1205WBS01	VN080357.D	12/05/2023
MW-6DL	05622-04DL	VN080362.D	12/05/2023
MW-1A	05622-01	VN080363.D	12/05/2023
MW-5	05622-02	VN080364.D	12/05/2023
MW-10D	05622-03	VN080365.D	12/05/2023
VN1205WBSD01	VN1205WBSD01	VN080369.D	12/05/2023
MW-6	05622-04	VN080372.D	12/05/2023

COMMENTS:

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: <u>CHEMTECH</u>	Contract: <u>DVIR01</u>
Lab Code: <u>CHEM</u> Case No.: <u>05622</u>	SAS No.: <u>05622</u> SDG NO.: <u>05622</u>
Lab File ID: <u>VN080127.D</u>	BFB Injection Date: <u>11/16/2023</u>
Instrument ID: <u>MSVOA_N</u>	BFB Injection Time: <u>09:57</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	Heated Purge: Y/N <u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	57.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.3) 1
174	50.0 - 100.0% of mass 95	83.4
175	5.0 - 9.0% of mass 174	5.6 (6.8) 1
176	95.0 - 101.0% of mass 174	80 (95.9) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC100	VSTDIC100	VN080129.D	11/16/2023	11:34
VSTDICCC050	VSTDICCC050	VN080130.D	11/16/2023	11:58
VSTDIC020	VSTDIC020	VN080131.D	11/16/2023	12:22
VSTDIC010	VSTDIC010	VN080132.D	11/16/2023	12:46
VSTDIC005	VSTDIC005	VN080133.D	11/16/2023	13:09
VSTDIC001	VSTDIC001	VN080134.D	11/16/2023	13:33

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: <u>CHEMTECH</u>	Contract: <u>DVIR01</u>
Lab Code: <u>CHEM</u> Case No.: <u>05622</u>	SAS No.: <u>05622</u> SDG NO.: <u>05622</u>
Lab File ID: <u>VN080353.D</u>	BFB Injection Date: <u>12/05/2023</u>
Instrument ID: <u>MSVOA_N</u>	BFB Injection Time: <u>09:32</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	Heated Purge: Y/N <u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	55.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	79
175	5.0 - 9.0% of mass 174	5.7 (7.2) 1
176	95.0 - 101.0% of mass 174	76 (96.3) 1
177	5.0 - 9.0% of mass 176	5.2 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN080354.D	12/05/2023	10:05
VN1205WBL01	VN1205WBL01	VN080356.D	12/05/2023	11:04
VN1205WBS01	VN1205WBS01	VN080357.D	12/05/2023	11:27
MW-6DL	O5622-04DL	VN080362.D	12/05/2023	13:36
MW-1A	O5622-01	VN080363.D	12/05/2023	13:59
MW-5	O5622-02	VN080364.D	12/05/2023	14:23
MW-10D	O5622-03	VN080365.D	12/05/2023	14:47
VN1205WBSD01	VN1205WBSD01	VN080369.D	12/05/2023	16:21
MW-6	O5622-04	VN080372.D	12/05/2023	17:44

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG NO.: O5622
 Lab File ID: VN080354.D Date Analyzed: 12/05/2023
 Instrument ID: MSVOA_N Time Analyzed: 10:05
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	212624	8.22	320809	9.10	291693	11.87
UPPER LIMIT	425248	8.724	641618	9.6	583386	12.365
LOWER LIMIT	106312	7.724	160405	8.6	145847	11.365
EPA SAMPLE NO.						
MW-1A	161488	8.22	308456	9.11	319225	11.87
MW-5	164546	8.22	291311	9.11	302981	11.87
MW-10D	149866	8.22	282671	9.11	301596	11.87
MW-6	184680	8.23	331679	9.11	353513	11.87
MW-6DL	161856	8.22	299478	9.10	317162	11.87
VN1205WBL01	165307	8.22	305258	9.10	329518	11.87
VN1205WBS01	230401	8.23	355514	9.10	317892	11.87
VN1205WBSD01	223369	8.22	345268	9.10	308715	11.87

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG NO.: O5622
 Lab File ID: VN080354.D Date Analyzed: 12/05/2023
 Instrument ID: MSVOA_N Time Analyzed: 10:05
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	147864	13.794				
UPPER LIMIT	295728	14.294				
LOWER LIMIT	73932	13.294				
EPA SAMPLE NO.						
MW-1A	144276	13.79				
MW-5	132096	13.79				
MW-10D	138683	13.79				
MW-6	171554	13.79				
MW-6DL	150495	13.79				
VN1205WBL01	142929	13.79				
VN1205WBS01	153891	13.79				
VN1205WBSD01	152241	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1205WBL01		SDG No.:	O5622
Lab Sample ID:	VN1205WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080356.D	1		12/05/23 11:04	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1205WBL01		SDG No.:	O5622
Lab Sample ID:	VN1205WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080356.D	1		12/05/23 11:04	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.8		74 - 125	112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	50.3		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		64 - 133	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	165000	8.224			
540-36-3	1,4-Difluorobenzene	305000	9.1			
3114-55-4	Chlorobenzene-d5	330000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	143000	13.794			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1205WBL01		SDG No.:	O5622
Lab Sample ID:	VN1205WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080356.D	1		12/05/23 11:04	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1205WBS01		SDG No.:	O5622
Lab Sample ID:	VN1205WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080357.D	1		12/05/23 11:27	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.4		0.14	1.00	ug/L
74-87-3	Chloromethane	16.7		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	18.3		0.25	1.00	ug/L
74-83-9	Bromomethane	18.6		1.60	5.00	ug/L
75-00-3	Chloroethane	18.4		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.8		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.21	1.00	ug/L
67-64-1	Acetone	73.4		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	16.8		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.9		0.14	1.00	ug/L
79-20-9	Methyl Acetate	16.5		0.36	1.00	ug/L
75-09-2	Methylene Chloride	19.7		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.4		0.16	1.00	ug/L
110-82-7	Cyclohexane	16.4		1.60	5.00	ug/L
78-93-3	2-Butanone	77.3		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.4		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.20	1.00	ug/L
74-97-5	Bromochloromethane	16.9		0.14	1.00	ug/L
67-66-3	Chloroform	20.2		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	17.9		0.16	1.00	ug/L
71-43-2	Benzene	19.6		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.16	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	20.5		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	88.6		0.74	5.00	ug/L
108-88-3	Toluene	20.4		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	
Client Sample ID:	VN1205WBS01	SDG No.:	O5622
Lab Sample ID:	VN1205WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080357.D	1		12/05/23 11:27	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.4		0.13	1.00	ug/L
591-78-6	2-Hexanone	81.8		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	21.0		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.3		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	22.0		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	41.1		0.31	2.00	ug/L
95-47-6	o-Xylene	21.3		0.15	1.00	ug/L
100-42-5	Styrene	20.8		0.13	1.00	ug/L
75-25-2	Bromoform	21.3		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.7		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.4		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.5		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	49.5		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		64 - 133	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	230000	8.229			
540-36-3	1,4-Difluorobenzene	356000	9.1			
3114-55-4	Chlorobenzene-d5	318000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.794			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1205WBS01		SDG No.:	O5622
Lab Sample ID:	VN1205WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080357.D	1		12/05/23 11:27	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1205WBSD01		SDG No.:	O5622
Lab Sample ID:	VN1205WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080369.D	1		12/05/23 16:21	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.7		0.14	1.00	ug/L
74-87-3	Chloromethane	17.2		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.25	1.00	ug/L
74-83-9	Bromomethane	18.2		1.60	5.00	ug/L
75-00-3	Chloroethane	18.4		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.4		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.21	1.00	ug/L
67-64-1	Acetone	75.0		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	16.9		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.14	1.00	ug/L
79-20-9	Methyl Acetate	18.4		0.36	1.00	ug/L
75-09-2	Methylene Chloride	19.9		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.6		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.16	1.00	ug/L
110-82-7	Cyclohexane	18.4		1.60	5.00	ug/L
78-93-3	2-Butanone	78.9		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.0		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.20	1.00	ug/L
74-97-5	Bromochloromethane	18.7		0.14	1.00	ug/L
67-66-3	Chloroform	20.4		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.4		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	18.8		0.16	1.00	ug/L
71-43-2	Benzene	19.5		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.2		0.16	1.00	ug/L
79-01-6	Trichloroethene	20.6		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.1		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	94.6		0.74	5.00	ug/L
108-88-3	Toluene	20.4		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.7		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.8		0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1205WBSD01		SDG No.:	O5622
Lab Sample ID:	VN1205WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080369.D	1		12/05/23 16:21	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	21.0		0.13	1.00	ug/L
591-78-6	2-Hexanone	85.3		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	20.6		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.3		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	21.8		0.17	1.00	ug/L
108-90-7	Chlorobenzene	20.0		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.3		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	41.5		0.31	2.00	ug/L
95-47-6	o-Xylene	20.8		0.15	1.00	ug/L
100-42-5	Styrene	21.4		0.13	1.00	ug/L
75-25-2	Bromoform	21.1		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.9		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.6		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.7		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.5		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.0		74 - 125	88%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	45.8		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.7		64 - 133	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	8.224			
540-36-3	1,4-Difluorobenzene	345000	9.1			
3114-55-4	Chlorobenzene-d5	309000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.794			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1205WBSD01		SDG No.:	O5622
Lab Sample ID:	VN1205WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080369.D	1		12/05/23 16:21	VN120523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG No.: O5622
 Instrument ID: MSVOA_N Calibration Date(s): 11/16/2023 11/16/2023
 Heated Purge: (Y/N) N Calibration Time(s): 11:34 13:33
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN080129.D		RRF050 = VN080130.D		RRF020 = VN080131.D		
		RRF010 = VN080132.D		RRF005 = VN080133.D		RRF001 = VN080134.D		
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD
Dichlorodifluoromethane	0.738	0.743	0.763	0.740	0.707	0.778	0.745	3.2
Chloromethane	0.517	0.544	0.557	0.572	0.554	0.617	0.560	5.9
Vinyl Chloride	0.588	0.583	0.614	0.602	0.607	0.562	0.593	3.2
Bromomethane	0.365	0.379	0.394	0.415	0.458		0.402	9
Chloroethane	0.351	0.368	0.373	0.432	0.475	0.683	0.447	27.9
Trichlorofluoromethane	1.200	1.230	1.215	1.194	1.267	1.310	1.236	3.6
1,1,2-Trichlorotrifluoroethane	0.547	0.551	0.565	0.548	0.582	0.596	0.565	3.6
1,1-Dichloroethene	0.517	0.520	0.553	0.523	0.542	0.516	0.528	2.9
Acetone	0.259	0.239	0.234	0.239	0.350	0.343	0.277	19.6
Carbon Disulfide	1.475	1.495	1.524	1.487	1.616	1.870	1.578	9.6
Methyl tert-butyl Ether	1.830	1.880	1.914	1.869	1.878	1.826	1.866	1.8
Methyl Acetate	0.760	0.815	0.836	0.895	0.956	1.084	0.891	13.1
Methylene Chloride	0.579	0.580	0.615	0.617	0.662	0.431	0.581	13.7
trans-1,2-Dichloroethene	0.561	0.568	0.586	0.570	0.598	0.601	0.581	2.9
1,1-Dichloroethane	0.999	1.014	1.069	1.054	1.132	1.160	1.071	6
Cyclohexane	0.819	0.861	0.903	0.915	0.991		0.898	7.2
2-Butanone	0.304	0.303	0.305	0.306	0.398	0.361	0.329	12.3
Carbon Tetrachloride	0.683	0.688	0.676	0.652	0.661	0.706	0.678	2.9
cis-1,2-Dichloroethene	0.631	0.644	0.667	0.642	0.714	0.652	0.658	4.5
Bromochloromethane	0.392	0.391	0.445	0.460	0.451	0.388	0.421	8.1
Chloroform	1.118	1.171	1.186	1.211	1.242	1.258	1.198	4.3
1,1,1-Trichloroethane	1.132	1.163	1.177	1.168	1.212	1.156	1.168	2.3
Methylcyclohexane	0.545	0.555	0.535	0.493	0.490	0.471	0.515	6.7
Benzene	1.479	1.493	1.535	1.489	1.556	1.556	1.518	2.3
1,2-Dichloroethane	0.620	0.626	0.614	0.614	0.634	0.617	0.621	1.2
Trichloroethene	0.385	0.389	0.381	0.391	0.403	0.440	0.398	5.5
1,2-Dichloropropane	0.348	0.351	0.364	0.348	0.374	0.333	0.353	4.1
Bromodichloromethane	0.586	0.595	0.591	0.578	0.593	0.582	0.587	1.2
4-Methyl-2-Pentanone	0.359	0.381	0.390	0.389	0.380	0.340	0.373	5.3
Toluene	0.940	0.966	0.970	0.943	0.931	0.950	0.950	1.6
t-1,3-Dichloropropene	0.631	0.627	0.604	0.587	0.604	0.568	0.604	4
cis-1,3-Dichloropropene	0.646	0.648	0.637	0.599	0.603	0.567	0.617	5.2
1,1,2-Trichloroethane	0.349	0.354	0.362	0.366	0.363	0.382	0.363	3.2

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG No.: O5622
 Instrument ID: MSVOA_N Calibration Date(s): 11/16/2023 11/16/2023
 Heated Purge: (Y/N) N Calibration Time(s): 11:34 13:33
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF100 = VN080129.D	RRF050 = VN080130.D	RRF020 = VN080131.D					
	RRF010 = VN080132.D	RRF005 = VN080133.D	RRF001 = VN080134.D					
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD
2-Hexanone	0.295	0.296	0.296	0.280	0.343	0.290	0.300	7.3
Dibromochloromethane	0.437	0.443	0.437	0.430	0.437	0.420	0.434	1.8
1,2-Dibromoethane	0.361	0.368	0.369	0.368	0.370	0.384	0.370	2.1
Tetrachloroethene	0.363	0.370	0.384	0.356	0.393	0.423	0.382	6.4
Chlorobenzene	1.095	1.113	1.160	1.098	1.159	1.174	1.133	3.1
Ethyl Benzene	2.076	2.074	2.070	1.968	1.958	1.952	2.016	3.1
m/p-Xylenes	0.763	0.769	0.772	0.728	0.708	0.671	0.735	5.5
o-Xylene	0.724	0.730	0.722	0.689	0.680	0.612	0.693	6.5
Styrene	1.095	1.101	1.084	0.996	0.993	0.917	1.031	7.2
Bromoform	0.327	0.327	0.337	0.330	0.314	0.322	0.326	2.4
Isopropylbenzene	3.935	4.054	4.044	3.871	3.879	3.530	3.885	4.9
1,1,2,2-Tetrachloroethane	1.005	1.092	1.113	1.216	1.267	1.286	1.163	9.5
1,3-Dichlorobenzene	1.665	1.707	1.695	1.679	1.797	2.047	1.765	8.3
1,4-Dichlorobenzene	1.669	1.689	1.728	1.752	1.818	1.986	1.774	6.6
1,2-Dichlorobenzene	1.567	1.658	1.644	1.651	1.734	1.880	1.689	6.4
1,2-Dibromo-3-Chloropropane	0.244	0.254	0.262	0.270	0.263	0.328	0.270	11
1,2,4-Trichlorobenzene	0.940	0.946	0.909	0.900	0.957	1.242	0.982	13.1
1,2,3-Trichlorobenzene	0.867	0.903	0.887	0.873	0.873	1.121	0.921	10.8
1,2-Dichloroethane-d4	0.758	0.762	0.833	0.927	0.848		0.826	8.5
Dibromofluoromethane	0.349	0.344	0.373	0.398	0.380		0.369	6.1
Toluene-d8	1.298	1.303	1.386	1.391	1.272		1.330	4.1
4-Bromofluorobenzene	0.494	0.489	0.520	0.516	0.493		0.502	2.8

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: 05622 SAS No.: 05622 SDG No.: 05622
 Instrument ID: MSVOA_N Calibration Date/Time: 12/05/2023 10:05
 Lab File ID: VN080354.D Init. Calib. Date(s): 11/16/2023 11/16/2023
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:34 13:33
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.745	0.744		-0.13	20
Chloromethane	0.560	0.491	0.1	-12.32	20
Vinyl Chloride	0.593	0.566		-4.55	20
Bromomethane	0.402	0.378		-5.97	20
Chloroethane	0.447	0.357		-20.13	20
Trichlorofluoromethane	1.236	1.286		4.05	20
1,1,2-Trichlorotrifluoroethane	0.565	0.582		3.01	20
1,1-Dichloroethene	0.528	0.535		1.33	20
Acetone	0.277	0.274		-1.08	20
Carbon Disulfide	1.578	1.451		-8.05	20
Methyl tert-butyl Ether	1.866	1.930		3.43	20
Methyl Acetate	0.891	0.790		-11.34	20
Methylene Chloride	0.581	0.609		4.82	20
trans-1,2-Dichloroethene	0.581	0.593		2.07	20
1,1-Dichloroethane	1.071	1.048	0.1	-2.15	20
Cyclohexane	0.898	0.786		-12.47	20
2-Butanone	0.329	0.296		-10.03	20
Carbon Tetrachloride	0.678	0.781		15.19	20
cis-1,2-Dichloroethene	0.658	0.681		3.49	20
Bromochloromethane	0.421	0.373		-11.4	20
Chloroform	1.198	1.256		4.84	20
1,1,1-Trichloroethane	1.168	1.240		6.16	20
Methylcyclohexane	0.515	0.544		5.63	20
Benzene	1.518	1.605		5.73	20
1,2-Dichloroethane	0.621	0.696		12.08	20
Trichloroethene	0.398	0.442		11.06	20
1,2-Dichloropropane	0.353	0.369		4.53	20
Bromodichloromethane	0.587	0.668		13.8	20
4-Methyl-2-Pentanone	0.373	0.367		-1.61	20
Toluene	0.950	1.051		10.63	20
t-1,3-Dichloropropene	0.604	0.672		11.26	20
cis-1,3-Dichloropropene	0.617	0.699		13.29	20
1,1,2-Trichloroethane	0.363	0.398		9.64	20
2-Hexanone	0.300	0.291		-3	20
Dibromochloromethane	0.434	0.505		16.36	20
1,2-Dibromoethane	0.370	0.398		7.57	20
Tetrachloroethene	0.382	0.443		15.97	20
Chlorobenzene	1.133	1.223	0.3	7.94	20
Ethyl Benzene	2.016	2.261		12.15	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG No.: O5622
 Instrument ID: MSVOA_N Calibration Date/Time: 12/05/2023 10:05
 Lab File ID: VN080354.D Init. Calib. Date(s): 11/16/2023 11/16/2023
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:34 13:33
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.735	0.842		14.56	20
o-Xylene	0.693	0.811		17.03	20
Styrene	1.031	1.198		16.2	20
Bromoform	0.326	0.375	0.1	15.03	20
Isopropylbenzene	3.885	4.190		7.85	20
1,1,2,2-Tetrachloroethane	1.163	1.063	0.3	-8.6	20
1,3-Dichlorobenzene	1.765	1.835		3.97	20
1,4-Dichlorobenzene	1.774	1.817		2.42	20
1,2-Dichlorobenzene	1.689	1.762		4.32	20
1,2-Dibromo-3-Chloropropane	0.270	0.248		-8.15	20
1,2,4-Trichlorobenzene	0.982	0.925		-5.8	20
1,2,3-Trichlorobenzene	0.921	0.890		-3.37	20
1,2-Dichloroethane-d4	0.826	0.780		-5.57	20
Dibromofluoromethane	0.369	0.386		4.61	20
Toluene-d8	1.330	1.310		-1.5	20
4-Bromofluorobenzene	0.502	0.514		2.39	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5622	OrderDate:	12/4/2023 2:23:00 PM
Client:	D&B Engineers and Architects, P.C.	Project:	Con Edison - Atlantic Avenue #5324-E02
Contact:	Thomas P. Fox	Location:	L11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5622-04	MW-6	Water	SVOCMS Group1	8270E	11/29/23	12/05/23	12/15/23	12/04/23

Hit Summary Sheet SW-846

SDG No.: O5622

Client: D&B Engineers and Architects, P.C.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MW-6						
O5622-04	MW-6	WATER	2,4-Dimethylphenol	12.300	3	5.1	ug/L
O5622-04	MW-6	WATER	Naphthalene	7.600	1.7	5.1	ug/L
Total Svoc :			19.90				
O5622-04	MW-6	WATER	2-Cyclopenten-1-one, 2,3-dimethyl *	6.400	J 0	0	ug/L
O5622-04	MW-6	WATER	Benzene, 1,2,3,5-tetramethyl- *	9.100	J 0	0	ug/L
O5622-04	MW-6	WATER	Benzene, 1,2,3-trimethyl- *	20.300	J 0	0	ug/L
O5622-04	MW-6	WATER	Benzene, 1,2,4,5-tetramethyl- *	7.200	J 0	0	ug/L
O5622-04	MW-6	WATER	Benzene, 1,2-diethyl- *	13.700	J 0	0	ug/L
O5622-04	MW-6	WATER	Benzene, 1,3-diethyl- *	14.200	J 0	0	ug/L
O5622-04	MW-6	WATER	Benzene, 1-ethyl-2-methyl- *	8.800	J 0	0	ug/L
O5622-04	MW-6	WATER	Benzene, 1-ethyl-3-methyl- *	8.300	J 0	0	ug/L
O5622-04	MW-6	WATER	Benzoic acid, 2,4,6-trimethyl- *	7.300	J 0	0	ug/L
O5622-04	MW-6	WATER	Benzoic acid, 2,4-dimethyl- *	82.800	J 0	0	ug/L
O5622-04	MW-6	WATER	Benzoic acid, 3,4-dimethyl- *	13.500	J 0	0	ug/L
O5622-04	MW-6	WATER	Indane *	21.600	J 0	0	ug/L
O5622-04	MW-6	WATER	Mesitylene *	13.600	J 0	0	ug/L
O5622-04	MW-6	WATER	1H-Inden-1-one, 2,3-dihydro- *	9.400	J 0	0	ug/L
O5622-04	MW-6	WATER	n-Hexadecanoic acid *	8.000	J 0	0	ug/L
O5622-04	MW-6	WATER	o-Cymene *	7.900	J 0	0	ug/L
O5622-04	MW-6	WATER	unknown3.828 *	6.400	J 0	0	ug/L
O5622-04	MW-6	WATER	1-Methylnaphthalene *	3.800	J 2.1	5.1	ug/L
Total Tics :			262.30				
Total Concentration:			282.20				

SAMPLE DATA

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	11/29/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/04/23	
Client Sample ID:	MW-6		SDG No.:	O5622	
Lab Sample ID:	O5622-04		Matrix:	Water	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	980	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136594.D	1	12/05/23 09:10	12/15/23 15:53	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10.2	U	3.30	10.2	ug/L
108-95-2	Phenol	5.10	U	1.50	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.10	U	1.70	5.10	ug/L
95-57-8	2-Chlorophenol	5.10	U	1.40	5.10	ug/L
95-48-7	2-Methylphenol	5.10	U	2.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.10	U	2.30	5.10	ug/L
98-86-2	Acetophenone	5.10	U	1.80	5.10	ug/L
65794-96-9	3+4-Methylphenols	10.2	U	2.20	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.60	U	2.00	2.60	ug/L
67-72-1	Hexachloroethane	5.10	U	1.70	5.10	ug/L
98-95-3	Nitrobenzene	5.10	U	1.80	5.10	ug/L
78-59-1	Isophorone	5.10	U	1.70	5.10	ug/L
88-75-5	2-Nitrophenol	5.10	U	2.40	5.10	ug/L
105-67-9	2,4-Dimethylphenol	12.3		3.00	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.10	U	2.10	5.10	ug/L
120-83-2	2,4-Dichlorophenol	5.10	U	1.70	5.10	ug/L
91-20-3	Naphthalene	7.60		1.70	5.10	ug/L
106-47-8	4-Chloroaniline	5.10	U	2.60	5.10	ug/L
87-68-3	Hexachlorobutadiene	5.10	U	2.00	5.10	ug/L
105-60-2	Caprolactam	10.2	U	3.50	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	5.10	U	1.80	5.10	ug/L
91-57-6	2-Methylnaphthalene	5.10	U	2.30	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	10.2	U	5.90	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	1.60	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	5.10	U	1.60	5.10	ug/L
92-52-4	1,1-Biphenyl	5.10	U	1.80	5.10	ug/L
91-58-7	2-Chloronaphthalene	5.10	U	1.60	5.10	ug/L
88-74-4	2-Nitroaniline	5.10	U	2.40	5.10	ug/L
131-11-3	Dimethylphthalate	5.10	U	1.90	5.10	ug/L
208-96-8	Acenaphthylene	5.10	U	2.20	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	5.10	U	2.10	5.10	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	11/29/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/04/23	
Client Sample ID:	MW-6		SDG No.:	O5622	
Lab Sample ID:	O5622-04		Matrix:	Water	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	980	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136594.D	1	12/05/23 09:10	12/15/23 15:53	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5.10	U	2.40	5.10	ug/L
83-32-9	Acenaphthene	5.10	U	1.80	5.10	ug/L
51-28-5	2,4-Dinitrophenol	10.2	U	5.60	10.2	ug/L
100-02-7	4-Nitrophenol	10.2	U	2.90	10.2	ug/L
132-64-9	Dibenzofuran	5.10	U	1.60	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	5.10	U	2.60	5.10	ug/L
84-66-2	Diethylphthalate	5.10	U	2.10	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.10	U	2.30	5.10	ug/L
86-73-7	Fluorene	5.10	U	2.10	5.10	ug/L
100-01-6	4-Nitroaniline	5.10	U	2.40	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.2	U	1.80	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	5.10	U	2.00	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	5.10	U	2.00	5.10	ug/L
118-74-1	Hexachlorobenzene	5.10	U	1.90	5.10	ug/L
1912-24-9	Atrazine	5.10	U	3.60	5.10	ug/L
87-86-5	Pentachlorophenol	10.2	U	2.60	10.2	ug/L
85-01-8	Phenanthrene	5.10	U	2.00	5.10	ug/L
120-12-7	Anthracene	5.10	U	2.30	5.10	ug/L
86-74-8	Carbazole	5.10	U	1.70	5.10	ug/L
84-74-2	Di-n-butylphthalate	5.10	U	2.40	5.10	ug/L
206-44-0	Fluoranthene	5.10	U	2.10	5.10	ug/L
129-00-0	Pyrene	5.10	U	1.90	5.10	ug/L
85-68-7	Butylbenzylphthalate	5.10	U	2.90	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	10.2	U	5.50	10.2	ug/L
56-55-3	Benzo(a)anthracene	5.10	U	1.50	5.10	ug/L
218-01-9	Chrysene	5.10	U	1.60	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.10	U	3.00	5.10	ug/L
117-84-0	Di-n-octyl phthalate	10.2	U	3.20	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	5.10	U	1.50	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	5.10	U	1.90	5.10	ug/L
50-32-8	Benzo(a)pyrene	5.10	U	2.80	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.10	U	2.10	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.10	U	2.00	5.10	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-6	SDG No.:	O5622
Lab Sample ID:	O5622-04	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136594.D	1	12/05/23 09:10	12/15/23 15:53	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5.10	U	2.00	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.10	U	2.10	5.10	ug/L
123-91-1	1,4-Dioxane	5.10	U	2.50	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.10	U	1.30	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	43.7		10 - 139	29%	SPK: 150
13127-88-3	Phenol-d6	24.5		10 - 134	16%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.1		49 - 133	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.3		52 - 132	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.1		32 - 145	59%	SPK: 150
1718-51-0	Terphenyl-d14	49.5		36 - 145	49%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	96700	6.787
1146-65-2	Naphthalene-d8	349000	8.063
15067-26-2	Acenaphthene-d10	161000	9.822
1517-22-2	Phenanthrene-d10	248000	11.31
1719-03-5	Chrysene-d12	228000	13.963
1520-96-3	Perylene-d12	232000	15.439

TENTATIVE IDENTIFIED COMPOUNDS

	unknown3.828	6.40	J		3.83	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	8.30	J		6.32	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	8.80	J		6.35	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	20.3	J		6.61	ug/L
000108-67-8	Mesitylene	13.6	J		6.84	ug/L
001121-05-7	2-Cyclopenten-1-one, 2,3-dimethyl-	6.40	J		6.93	ug/L
000496-11-7	Indane	21.6	J		6.96	ug/L
000135-01-3	Benzene, 1,2-diethyl-	13.7	J		7.03	ug/L
000141-93-5	Benzene, 1,3-diethyl-	14.2	J		7.10	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	7.20	J		7.55	ug/L
000527-84-4	o-Cymene	7.90	J		7.58	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	9.10	J		7.80	ug/L
000083-33-0	1H-Inden-1-one, 2,3-dihydro-	9.40	J		8.66	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-6	SDG No.:	O5622
Lab Sample ID:	O5622-04	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
Extraction Type :		Test:	SVOCMS Group1
Decanted :	N	Level :	LOW
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3510C	GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136594.D	1	12/05/23 09:10	12/15/23 15:53	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
90-12-0	1-Methylnaphthalene	3.80	J		8.88	ug/L
000611-01-8	Benzoic acid, 2,4-dimethyl-	82.8	J		9.01	ug/L
000619-04-5	Benzoic acid, 3,4-dimethyl-	13.5	J		9.26	ug/L
000480-63-7	Benzoic acid, 2,4,6-trimethyl-	7.30	J		9.36	ug/L
000057-10-3	n-Hexadecanoic acid	8.00	J		11.8	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SW-846

SDG No.: O5622

Client: D&B Engineers and Architects, P.C.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
O5612-02MS	MW-06IMS	2-Fluorophenol	150	55.8	37		10	139
		Phenol-d6	150	34.0	23		10	134
		Nitrobenzene-d5	100	188	188	*	49	133
		2-Fluorobiphenyl	100	86.0	86		52	132
		2,4,6-Tribromophenol	150	110	73		32	145
		Terphenyl-d14	100	68.1	68		36	145
O5612-03MSD	MW-06IMSD	2-Fluorophenol	150	55.9	37		10	139
		Phenol-d6	150	35.2	23		10	134
		Nitrobenzene-d5	100	195	195	*	49	133
		2-Fluorobiphenyl	100	87.5	88		52	132
		2,4,6-Tribromophenol	150	113	75		32	145
		Terphenyl-d14	100	66.8	67		36	145
O5622-04	MW-6	2-Fluorophenol	150	43.7	29		10	139
		Phenol-d6	150	24.5	16		10	134
		Nitrobenzene-d5	100	73.1	73		49	133
		2-Fluorobiphenyl	100	75.3	75		52	132
		2,4,6-Tribromophenol	150	88.1	59		32	145
		Terphenyl-d14	100	49.5	49		36	145
PB157565BL	PB157565BL	2-Fluorophenol	150	137	91		10	139
		Phenol-d6	150	134	89		10	134
		Nitrobenzene-d5	100	85.9	86		49	133
		2-Fluorobiphenyl	100	83.4	83		52	132
		2,4,6-Tribromophenol	150	124	83		32	145
		Terphenyl-d14	100	80.8	81		36	145
PB157565BS	PB157565BS	2-Fluorophenol	150	120	80		10	139
		Phenol-d6	150	115	77		10	134
		Nitrobenzene-d5	100	73.8	74		49	133
		2-Fluorobiphenyl	100	71.7	72		52	132
		2,4,6-Tribromophenol	150	111	74		32	145
		Terphenyl-d14	100	77.6	78		36	145

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: **O5622**

Client: **D&B Engineers and Architects, P.C.**

Analytical Method: **SW8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	High	RPD
Lab Sample ID:	O5612-02MS	Client Sample ID:	MW-061MS					DataFile:	BF136575.D		
Benzaldehyde	50	0	62.4	ug/L	125				10	137	
Phenol	50	0	13.9	ug/L	28				10	130	
bis(2-Chloroethyl)ether	50	0	41.9	ug/L	84				29	141	
2-Chlorophenol	50	0	34.6	ug/L	69				23	127	
2-Methylphenol	50	0	25.7	ug/L	51				23	132	
2,2-oxybis(1-Chloropropane)	50	0	35.1	ug/L	70				36	141	
Acetophenone	50	0	120	ug/L	240	*			31	164	
3+4-Methylphenols	50	0	25.3	ug/L	51				17	136	
N-Nitroso-di-n-propylamine	50	0	42.2	ug/L	84				36	147	
Hexachloroethane	50	0	38.8	ug/L	78				35	137	
Nitrobenzene	50	0	110	ug/L	220	*			40	134	
Isophorone	50	0	13.0	ug/L	26	*			39	146	
2-Nitrophenol	50	0	110	ug/L	220	*			30	148	
2,4-Dimethylphenol	50	0	110	ug/L	220	*			17	143	
bis(2-Chloroethoxy)methane	50	0	87.4	ug/L	175	*			39	143	
2,4-Dichlorophenol	50	0	5.50	ug/L	11	*			22	146	
Naphthalene	50	4000	4200	ug/L	400	*			17	157	
4-Chloroaniline	50	0	2000	ug/L	4000	*			10	95	
Hexachlorobutadiene	50	0	86.8	ug/L	174	*			52	125	
Caprolactam	50	0	18.9	ug/L	38				10	130	
4-Chloro-3-methylphenol	50	0	80.0	ug/L	160	*			17	148	
2-Methylnaphthalene	50	940	1100	ug/L	320	*			38	146	
Hexachlorocyclopentadiene	100	0	84.1	ug/L	84				20	153	
2,4,6-Trichlorophenol	50	0	43.4	ug/L	87				46	139	
2,4,5-Trichlorophenol	50	0	40.5	ug/L	81				42	129	
1,1-Biphenyl	50	50.4	90.6	ug/L	80				38	154	
2-Chloronaphthalene	50	0	42.6	ug/L	85				41	145	
2-Nitroaniline	50	0	42.7	ug/L	85				39	151	
Dimethylphthalate	50	0	45.0	ug/L	90				42	147	
Acenaphthylene	50	7.50	51.7	ug/L	88				40	141	
2,6-Dinitrotoluene	50	0	41.4	ug/L	83				43	148	
3-Nitroaniline	50	0	29.7	ug/L	59				10	111	
Acenaphthene	50	150	190	ug/L	80				37	146	
2,4-Dinitrophenol	100	0	50.4	ug/L	50				14	167	
4-Nitrophenol	100	0	27.9	ug/L	28				10	130	
Dibenzofuran	50	6.90	49.2	ug/L	85				41	145	
2,4-Dinitrotoluene	50	0	42.7	ug/L	85				40	151	
Diethylphthalate	50	0	42.0	ug/L	84				41	148	
4-Chlorophenyl-phenylether	50	0	41.9	ug/L	84				38	149	
Fluorene	50	41.1	78.8	ug/L	75				39	144	
4-Nitroaniline	50	0	39.4	ug/L	79				27	138	
4,6-Dinitro-2-methylphenol	50	0	32.1	ug/L	64				32	175	
N-Nitrosodiphenylamine	50	0	48.4	ug/L	97				40	150	
4-Bromophenyl-phenylether	50	0	46.5	ug/L	93				42	151	
Hexachlorobenzene	50	0	44.4	ug/L	89				60	129	
Atrazine	50	0	55.2	ug/L	110				20	162	
Pentachlorophenol	100	0	82.7	ug/L	83				15	137	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: **O5622**

Client: **D&B Engineers and Architects, P.C.**

Analytical Method: **SW8270E**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD		Limits		RPD
		Result				Qual	RPD	Qual	Low	High	
Phenanthrene	50	46.7	89.7	ug/L	86				40	147	
Anthracene	50	9.30	54.2	ug/L	90				41	146	
Carbazole	50	24.5	67.5	ug/L	86				37	154	
Di-n-butylphthalate	50	0	45.9	ug/L	92				40	151	
Fluoranthene	50	3.60	48.4	ug/L	90				42	146	
Pyrene	50	3.90	40.6	ug/L	73				41	149	
Butylbenzylphthalate	50	0	42.2	ug/L	84				39	155	
3,3-Dichlorobenzidine	50	0	45.1	ug/L	90				10	114	
Benzo(a)anthracene	50	0	45.8	ug/L	92				41	147	
Chrysene	50	0	44.8	ug/L	90				44	144	
bis(2-Ethylhexyl)phthalate	50	0	46.1	ug/L	92				33	160	
Di-n-octyl phthalate	50	0	54.1	ug/L	108				36	158	
Benzo(b)fluoranthene	50	0	40.8	ug/L	82				40	150	
Benzo(k)fluoranthene	50	0	38.7	ug/L	77				40	147	
Benzo(a)pyrene	50	0	42.8	ug/L	86				42	147	
Indeno(1,2,3-cd)pyrene	50	0	40.1	ug/L	80				30	166	
Dibenz(a,h)anthracene	50	0	40.5	ug/L	81				23	172	
Benzo(g,h,i)perylene	50	0	36.4	ug/L	73				27	167	
1,2,4,5-Tetrachlorobenzene	50	0	47.2	ug/L	94				89	102	
1,4-Dioxane	50	0	18.2	ug/L	36	*			38	130	
2,3,4,6-Tetrachlorophenol	50	0	40.9	ug/L	82	*			91	111	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: **O5622**

Client: **D&B Engineers and Architects, P.C.**

Analytical Method: **SW8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O5612-03MSD	Client Sample ID:	MW-061MSD					DataFile:	BF136576.D		
Benzaldehyde	50	0	62.9	ug/L	126		1		10	137	20
Phenol	50	0	14.1	ug/L	28		0		10	130	20
bis(2-Chloroethyl)ether	50	0	42.7	ug/L	85		1		29	141	20
2-Chlorophenol	50	0	35.3	ug/L	71		3		23	127	20
2-Methylphenol	50	0	25.7	ug/L	51		0		23	132	20
2,2-oxybis(1-Chloropropane)	50	0	35.5	ug/L	71		1		36	141	20
Acetophenone	50	0	120	ug/L	240	*	0		31	164	20
3+4-Methylphenols	50	0	25.8	ug/L	52		2		17	136	20
N-Nitroso-di-n-propylamine	50	0	41.7	ug/L	83		1		36	147	20
Hexachloroethane	50	0	39.2	ug/L	78		0		35	137	20
Nitrobenzene	50	0	110	ug/L	220	*	0		40	134	20
Isophorone	50	0	13.0	ug/L	26	*	0		39	146	20
2-Nitrophenol	50	0	110	ug/L	220	*	0		30	148	20
2,4-Dimethylphenol	50	0	110	ug/L	220	*	0		17	143	20
bis(2-Chloroethoxy)methane	50	0	11.0	ug/L	22	*	155	*	39	143	20
2,4-Dichlorophenol	50	0	6.70	ug/L	13	*	17		22	146	20
Naphthalene	50	4000	4200	ug/L	400	*	0		17	157	20
4-Chloroaniline	50	0	2000	ug/L	4000	*	0		10	95	20
Hexachlorobutadiene	50	0	85.0	ug/L	170	*	2		52	125	20
Caprolactam	50	0	19.3	ug/L	39		3		10	130	20
4-Chloro-3-methylphenol	50	0	81.8	ug/L	164	*	2		17	148	20
2-Methylnaphthalene	50	940	1100	ug/L	320	*	0		38	146	20
Hexachlorocyclopentadiene	100	0	89.3	ug/L	89		6		20	153	20
2,4,6-Trichlorophenol	50	0	44.3	ug/L	89		2		46	139	20
2,4,5-Trichlorophenol	50	0	40.4	ug/L	81		0		42	129	20
1,1-Biphenyl	50	50.4	92.4	ug/L	84		5		38	154	20
2-Chloronaphthalene	50	0	44.0	ug/L	88		3		41	145	20
2-Nitroaniline	50	0	43.5	ug/L	87		2		39	151	20
Dimethylphthalate	50	0	46.1	ug/L	92		2		42	147	20
Acenaphthylene	50	7.50	52.3	ug/L	90		2		40	141	20
2,6-Dinitrotoluene	50	0	42.6	ug/L	85		2		43	148	20
3-Nitroaniline	50	0	29.6	ug/L	59		0		10	111	20
Acenaphthene	50	150	190	ug/L	80		0		37	146	20
2,4-Dinitrophenol	100	0	51.5	ug/L	52		4		14	167	20
4-Nitrophenol	100	0	28.8	ug/L	29		4		10	130	20
Dibenzofuran	50	6.90	49.4	ug/L	85		0		41	145	20
2,4-Dinitrotoluene	50	0	43.5	ug/L	87		2		40	151	20
Diethylphthalate	50	0	42.5	ug/L	85		1		41	148	20
4-Chlorophenyl-phenylether	50	0	42.2	ug/L	84		0		38	149	20
Fluorene	50	41.1	79.7	ug/L	77		3		39	144	20
4-Nitroaniline	50	0	41.1	ug/L	82		4		27	138	20
4,6-Dinitro-2-methylphenol	50	0	33.7	ug/L	67		5		32	175	20
N-Nitrosodiphenylamine	50	0	48.4	ug/L	97		0		40	150	20
4-Bromophenyl-phenylether	50	0	45.9	ug/L	92		1		42	151	20
Hexachlorobenzene	50	0	45.1	ug/L	90		1		60	129	20
Atrazine	50	0	55.7	ug/L	111		1		20	162	20
Pentachlorophenol	100	0	83.7	ug/L	84		1		15	137	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5622

Client: D&B Engineers and Architects, P.C.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec		RPD		Limits	
						Qual	RPD	Qual	Low	High	RPD
Phenanthrene	50	46.7	89.4	ug/L	85		1		40	147	20
Anthracene	50	9.30	54.8	ug/L	91		1		41	146	20
Carbazole	50	24.5	68.0	ug/L	87		1		37	154	20
Di-n-butylphthalate	50	0	46.0	ug/L	92		0		40	151	20
Fluoranthene	50	3.60	48.8	ug/L	90		0		42	146	20
Pyrene	50	3.90	40.2	ug/L	73		0		41	149	20
Butylbenzylphthalate	50	0	42.1	ug/L	84		0		39	155	20
3,3-Dichlorobenzidine	50	0	48.7	ug/L	97		7		10	114	20
Benzo(a)anthracene	50	0	46.3	ug/L	93		1		41	147	20
Chrysene	50	0	44.8	ug/L	90		0		44	144	20
bis(2-Ethylhexyl)phthalate	50	0	46.0	ug/L	92		0		33	160	20
Di-n-octyl phthalate	50	0	55.5	ug/L	111		3		36	158	20
Benzo(b)fluoranthene	50	0	41.7	ug/L	83		1		40	150	20
Benzo(k)fluoranthene	50	0	39.5	ug/L	79		3		40	147	20
Benzo(a)pyrene	50	0	43.7	ug/L	87		1		42	147	20
Indeno(1,2,3-cd)pyrene	50	0	40.5	ug/L	81		1		30	166	20
Dibenz(a,h)anthracene	50	0	41.3	ug/L	83		2		23	172	20
Benzo(g,h,i)perylene	50	0	36.7	ug/L	73		0		27	167	20
1,2,4,5-Tetrachlorobenzene	50	0	48.3	ug/L	97		3		89	102	20
1,4-Dioxane	50	0	18.6	ug/L	37	*	3		38	130	20
2,3,4,6-Tetrachlorophenol	50	0	41.4	ug/L	83	*	1		91	111	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: O5622

Client: D&B Engineers and Architects, P.C.

Analytical Method: 8270E

DataFile: BF136654.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB157565BS	Benzaldehyde	50	17.1	ug/L	34				15	121	
	Phenol	50	39.8	ug/L	80				66	118	
	bis(2-Chloroethyl)ether	50	42.3	ug/L	85				62	103	
	2-Chlorophenol	50	43.1	ug/L	86				70	117	
	2-Methylphenol	50	40.9	ug/L	82				69	109	
	2,2-oxybis(1-Chloropropane)	50	41.5	ug/L	83				52	103	
	Acetophenone	50	39.6	ug/L	79				60	104	
	3+4-Methylphenols	50	39.7	ug/L	79				67	106	
	N-Nitroso-di-n-propylamine	50	40.9	ug/L	82				57	107	
	Hexachloroethane	50	39.1	ug/L	78				76	118	
	Nitrobenzene	50	38.2	ug/L	76				58	106	
	Isophorone	50	38.6	ug/L	77				61	102	
	2-Nitrophenol	50	40.7	ug/L	81				70	115	
	2,4-Dimethylphenol	50	51.4	ug/L	103				67	130	
	bis(2-Chloroethoxy)methane	50	38.4	ug/L	77				58	109	
	2,4-Dichlorophenol	50	39.5	ug/L	79				66	115	
	Naphthalene	50	37.7	ug/L	75				64	107	
	4-Chloroaniline	50	23.7	ug/L	47				10	85	
	Hexachlorobutadiene	50	36.7	ug/L	73				69	101	
	Caprolactam	50	40.7	ug/L	81				58	128	
	4-Chloro-3-methylphenol	50	39.1	ug/L	78				65	114	
	2-Methylnaphthalene	50	37.0	ug/L	74				64	107	
	Hexachlorocyclopentadiene	100	95.0	ug/L	95				36	160	
	2,4,6-Trichlorophenol	50	40.7	ug/L	81				61	110	
	2,4,5-Trichlorophenol	50	40.0	ug/L	80				70	106	
	1,1-Biphenyl	50	38.3	ug/L	77				72	98	
	2-Chloronaphthalene	50	38.1	ug/L	76				59	106	
	2-Nitroaniline	50	40.9	ug/L	82				58	107	
	Dimethylphthalate	50	39.6	ug/L	79				64	103	
	Acenaphthylene	50	40.6	ug/L	81				65	108	
	2,6-Dinitrotoluene	50	38.8	ug/L	78				64	110	
	3-Nitroaniline	50	32.6	ug/L	65				28	100	
	Acenaphthene	50	38.5	ug/L	77				59	113	
	2,4-Dinitrophenol	100	81.4	ug/L	81				64	132	
	4-Nitrophenol	100	81.5	ug/L	82				68	116	
	Dibenzofuran	50	38.2	ug/L	76				65	106	
	2,4-Dinitrotoluene	50	38.2	ug/L	76				60	115	
	Diethylphthalate	50	39.3	ug/L	79				63	105	
	4-Chlorophenyl-phenylether	50	37.2	ug/L	74				61	104	
	Fluorene	50	38.2	ug/L	76				64	107	
	4-Nitroaniline	50	36.6	ug/L	73				69	112	
	4,6-Dinitro-2-methylphenol	50	42.1	ug/L	84				62	132	
	N-Nitrosodiphenylamine	50	40.0	ug/L	80				61	109	
	4-Bromophenyl-phenylether	50	38.7	ug/L	77				73	103	
	Hexachlorobenzene	50	38.2	ug/L	76				73	106	
	Atrazine	50	39.7	ug/L	79				76	120	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: O5622

Client: D&B Engineers and Architects, P.C.

Analytical Method: 8270E DataFile: BF136654.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB157565BS	Pentachlorophenol	100	71.9	ug/L	72				47	114	
	Phenanthrene	50	40.1	ug/L	80				62	109	
	Anthracene	50	39.4	ug/L	79				65	110	
	Carbazole	50	38.4	ug/L	77				62	106	
	Di-n-butylphthalate	50	40.5	ug/L	81				64	106	
	Fluoranthene	50	38.5	ug/L	77				64	110	
	Pyrene	50	41.4	ug/L	83				71	103	
	Butylbenzylphthalate	50	44.6	ug/L	89				61	105	
	3,3-Dichlorobenzidine	50	40.8	ug/L	82				43	108	
	Benzo(a)anthracene	50	40.4	ug/L	81				62	107	
	Chrysene	50	40.2	ug/L	80				61	108	
	bis(2-Ethylhexyl)phthalate	50	44.5	ug/L	89				59	110	
	Di-n-octyl phthalate	50	45.1	ug/L	90				67	126	
	Benzo(b)fluoranthene	50	44.8	ug/L	90				77	113	
	Benzo(k)fluoranthene	50	46.0	ug/L	92				64	113	
	Benzo(a)pyrene	50	46.4	ug/L	93				72	131	
	Indeno(1,2,3-cd)pyrene	50	48.8	ug/L	98				72	105	
	Dibenz(a,h)anthracene	50	50.3	ug/L	101				78	115	
	Benzo(g,h,i)perylene	50	48.3	ug/L	97				75	118	
	1,2,4,5-Tetrachlorobenzene	50	39.3	ug/L	79				72	101	
	1,4-Dioxane	50	30.3	ug/L	61				38	125	
	2,3,4,6-Tetrachlorophenol	50	43.6	ug/L	87				63	116	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB157565BL

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM Case No.: O5622

SAS No.: O5622 SDG NO.: O5622

Lab File ID: BF136656.D

Lab Sample ID: PB157565BL

Instrument ID: BNA_F

Date Extracted: 12/05/2023

Matrix: (soil/water) Water

Date Analyzed: 12/20/2023

Level: (low/med) LOW

Time Analyzed: 19:37

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-06IMS	O5612-02MS	BF136575.D	12/14/2023
MW-06IMSD	O5612-03MSD	BF136576.D	12/14/2023
MW-6	O5622-04	BF136594.D	12/15/2023
PB157565BS	PB157565BS	BF136654.D	12/20/2023

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM

SAS No.: O5622 SDG NO.: O5622

Lab File ID: BF136401.D

DFTPP Injection Date: 12/05/2023

Instrument ID: BNA_F

DFTPP Injection Time: 12:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.7
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	30.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	43.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	19.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.3 (18.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF136402.D	12/05/2023	12:56
SSTDICC005	SSTDICC005	BF136403.D	12/05/2023	13:27
SSTDICC010	SSTDICC010	BF136404.D	12/05/2023	13:58
SSTDICC020	SSTDICC020	BF136405.D	12/05/2023	14:30
SSTDICC050	SSTDICC050	BF136407.D	12/05/2023	15:33
SSTDICCC040	SSTDICCC040	BF136408.D	12/05/2023	16:05
SSTDICC060	SSTDICC060	BF136409.D	12/05/2023	16:37
SSTDICC080	SSTDICC080	BF136410.D	12/05/2023	17:09

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM

SAS No.: O5622 SDG NO.: O5622

Lab File ID: BF136562.D

DFTPP Injection Date: 12/14/2023

Instrument ID: BNA_F

DFTPP Injection Time: 11:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.2
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	32
70	Less than 2.0% of mass 69	0.3 (1.1) 1
127	10.0 - 80.0% of mass 198	46.6
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF136563.D	12/14/2023	12:24
MW-06IMS	O5612-02MS	BF136575.D	12/14/2023	18:48
MW-06IMSD	O5612-03MSD	BF136576.D	12/14/2023	19:19

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM

SAS No.: O5622 SDG NO.: O5622

Lab File ID: BF136584.D

DFTPP Injection Date: 12/15/2023

Instrument ID: BNA_F

DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.1
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	45.2
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.3
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	16.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF136585.D	12/15/2023	10:52
MW-6	O5622-04	BF136594.D	12/15/2023	15:53

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM

SAS No.: 05622 SDG NO.: 05622

Lab File ID: BF136640.D

DFTPP Injection Date: 12/20/2023

Instrument ID: BNA_F

DFTPP Injection Time: 08:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.2
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.0
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.4
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	16.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.2 (18.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF136641.D	12/20/2023	09:16
SSTDICC005	SSTDICC005	BF136642.D	12/20/2023	09:48
SSTDICC010	SSTDICC010	BF136643.D	12/20/2023	10:27
SSTDICC020	SSTDICC020	BF136644.D	12/20/2023	11:38
SSTDICCC040	SSTDICCC040	BF136645.D	12/20/2023	12:30
SSTDICC050	SSTDICC050	BF136646.D	12/20/2023	13:03
SSTDICC060	SSTDICC060	BF136647.D	12/20/2023	14:18
SSTDICC080	SSTDICC080	BF136648.D	12/20/2023	14:58
PB157565BS	PB157565BS	BF136654.D	12/20/2023	18:33
PB157565BL	PB157565BL	BF136656.D	12/20/2023	19:37

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG NO.: O5622
 EPA Sample No.: SSTDCCC040 Date Analyzed: 12/14/2023
 Lab File ID: BF136563.D Time Analyzed: 12:24
 Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	126828	6.787	501279	8.07	264686	9.83
UPPER LIMIT	253656	7.287	1002560	8.569	529372	10.328
LOWER LIMIT	63414	6.287	250640	7.569	132343	9.328
EPA SAMPLE NO.						
01 MW-06IMS	99202	6.80	160263 *	8.09	173999	9.83
02 MW-06IMSD	102213	6.80	160711 *	8.10	175995	9.83

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG NO.: O5622

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/14/2023

Lab File ID: BF136563.D Time Analyzed: 12:24

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	489856	11.316	267952	13.968	255785	15.439
UPPER LIMIT	979712	11.816	535904	14.468	511570	15.939
LOWER LIMIT	244928	10.816	133976	13.468	127893	14.939
EPA SAMPLE NO.						
01 MW-06IMS	293286	11.32	214952	13.97	256685	15.45
02 MW-06IMSD	300375	11.32	224631	13.97	268727	15.45

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG NO.: O5622

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/15/2023

Lab File ID: BF136585.D Time Analyzed: 10:52

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	115969	6.787	478165	8.07	250859	9.82
UPPER LIMIT	231938	7.287	956330	8.569	501718	10.322
LOWER LIMIT	57984.5	6.287	239083	7.569	125430	9.322
EPA SAMPLE NO.						
01 MW-6	96725	6.79	348578	8.06	160902	9.82

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: 05622 SAS No.: 05622 SDG NO.: 05622

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/15/2023

Lab File ID: BF136585.D Time Analyzed: 10:52

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	458984	11.316	223102	13.963	229054	15.439
UPPER LIMIT	917968	11.816	446204	14.463	458108	15.939
LOWER LIMIT	229492	10.816	111551	13.463	114527	14.939
EPA SAMPLE NO.						
01 MW-6	248323	11.31	227894	13.96	232028	15.44

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG NO.: O5622
 EPA Sample No.: SSTDICCC040 Date Analyzed: 12/20/2023
 Lab File ID: BF136645.D Time Analyzed: 12:30
 Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	71564	6.792	278971	8.07	149666	9.83
UPPER LIMIT	143128	7.292	557942	8.569	299332	10.327
LOWER LIMIT	35782	6.292	139486	7.569	74833	9.327
EPA SAMPLE NO.						
01 PB157565BL	73364	6.79	298394	8.06	161723	9.82
02 PB157565BS	91997	6.79	382722	8.07	196113	9.83

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: 05622 SAS No.: 05622 SDG NO.: 05622

EPA Sample No.: SSTDICCC040 Date Analyzed: 12/20/2023

Lab File ID: BF136645.D Time Analyzed: 12:30

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	284111	11.316	155152	13.968	135880	15.445
UPPER LIMIT	568222	11.816	310304	14.468	271760	15.945
LOWER LIMIT	142056	10.816	77576	13.468	67940	14.945
EPA SAMPLE NO.						
01 PB157565BL	336477	11.31	208466	13.96	167430	15.44
02 PB157565BS	379679	11.32	198863	13.97	157102	15.45

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	PB157565BL		SDG No.:	O5622
Lab Sample ID:	PB157565BL		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136656.D	1	12/05/23 09:10	12/20/23 19:37	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10.0	U	3.30	10.0	ug/L
108-95-2	Phenol	5.00	U	1.50	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.00	U	1.70	5.00	ug/L
95-57-8	2-Chlorophenol	5.00	U	1.40	5.00	ug/L
95-48-7	2-Methylphenol	5.00	U	2.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.00	U	2.30	5.00	ug/L
98-86-2	Acetophenone	5.00	U	1.80	5.00	ug/L
65794-96-9	3+4-Methylphenols	10.0	U	2.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	2.00	2.50	ug/L
67-72-1	Hexachloroethane	5.00	U	1.60	5.00	ug/L
98-95-3	Nitrobenzene	5.00	U	1.70	5.00	ug/L
78-59-1	Isophorone	5.00	U	1.70	5.00	ug/L
88-75-5	2-Nitrophenol	5.00	U	2.40	5.00	ug/L
105-67-9	2,4-Dimethylphenol	5.00	U	3.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.00	U	2.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	5.00	U	1.70	5.00	ug/L
91-20-3	Naphthalene	5.00	U	1.70	5.00	ug/L
106-47-8	4-Chloroaniline	5.00	U	2.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	5.00	U	1.90	5.00	ug/L
105-60-2	Caprolactam	10.0	U	3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	5.00	U	1.80	5.00	ug/L
91-57-6	2-Methylnaphthalene	5.00	U	2.20	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	10.0	U	5.70	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.00	U	1.50	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	5.00	U	1.60	5.00	ug/L
92-52-4	1,1-Biphenyl	5.00	U	1.80	5.00	ug/L
91-58-7	2-Chloronaphthalene	5.00	U	1.60	5.00	ug/L
88-74-4	2-Nitroaniline	5.00	U	2.40	5.00	ug/L
131-11-3	Dimethylphthalate	5.00	U	1.90	5.00	ug/L
208-96-8	Acenaphthylene	5.00	U	2.10	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	5.00	U	2.10	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	PB157565BL		SDG No.:	O5622
Lab Sample ID:	PB157565BL		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136656.D	1	12/05/23 09:10	12/20/23 19:37	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5.00	U	2.40	5.00	ug/L
83-32-9	Acenaphthene	5.00	U	1.70	5.00	ug/L
51-28-5	2,4-Dinitrophenol	10.0	U	5.50	10.0	ug/L
100-02-7	4-Nitrophenol	10.0	U	2.80	10.0	ug/L
132-64-9	Dibenzofuran	5.00	U	1.60	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	5.00	U	2.50	5.00	ug/L
84-66-2	Diethylphthalate	5.00	U	2.10	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.00	U	2.20	5.00	ug/L
86-73-7	Fluorene	5.00	U	2.00	5.00	ug/L
100-01-6	4-Nitroaniline	5.00	U	2.30	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U	1.80	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	5.00	U	2.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	5.00	U	2.00	5.00	ug/L
118-74-1	Hexachlorobenzene	5.00	U	1.90	5.00	ug/L
1912-24-9	Atrazine	5.00	U	3.50	5.00	ug/L
87-86-5	Pentachlorophenol	10.0	U	2.60	10.0	ug/L
85-01-8	Phenanthrene	5.00	U	2.00	5.00	ug/L
120-12-7	Anthracene	5.00	U	2.30	5.00	ug/L
86-74-8	Carbazole	5.00	U	1.70	5.00	ug/L
84-74-2	Di-n-butylphthalate	5.00	U	2.40	5.00	ug/L
206-44-0	Fluoranthene	5.00	U	2.10	5.00	ug/L
129-00-0	Pyrene	5.00	U	1.90	5.00	ug/L
85-68-7	Butylbenzylphthalate	5.00	U	2.80	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	10.0	U	5.40	10.0	ug/L
56-55-3	Benzo(a)anthracene	5.00	U	1.50	5.00	ug/L
218-01-9	Chrysene	5.00	U	1.60	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.00	U	2.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	10.0	U	3.10	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	5.00	U	1.50	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	5.00	U	1.90	5.00	ug/L
50-32-8	Benzo(a)pyrene	5.00	U	2.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	2.10	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.00	U	2.00	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	PB157565BL		SDG No.:	O5622
Lab Sample ID:	PB157565BL		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136656.D	1	12/05/23 09:10	12/20/23 19:37	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5.00	U	1.90	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.00	U	2.10	5.00	ug/L
123-91-1	1,4-Dioxane	5.00	U	2.40	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.00	U	1.30	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	137		10 - 139	91%	SPK: 150
13127-88-3	Phenol-d6	134		10 - 134	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.9		49 - 133	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.4		52 - 132	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		32 - 145	83%	SPK: 150
1718-51-0	Terphenyl-d14	80.8		36 - 145	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73400		6.792		
1146-65-2	Naphthalene-d8	298000		8.063		
15067-26-2	Acenaphthene-d10	162000		9.822		
1517-22-2	Phenanthrene-d10	336000		11.31		
1719-03-5	Chrysene-d12	208000		13.963		
1520-96-3	Perylene-d12	167000		15.439		
TENTATIVE IDENTIFIED COMPOUNDS						
000630-04-6	Hentriacontane	2.30	J		15.9	ug/L
000629-94-7	Heneicosane	2.50	J		16.5	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	PB157565BS		SDG No.:	O5622
Lab Sample ID:	PB157565BS		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136654.D	1	12/05/23 09:10	12/20/23 18:33	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	17.1		3.30	10.0	ug/L
108-95-2	Phenol	39.8		1.50	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	42.3		1.70	5.00	ug/L
95-57-8	2-Chlorophenol	43.1		1.40	5.00	ug/L
95-48-7	2-Methylphenol	40.9		2.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.5		2.30	5.00	ug/L
98-86-2	Acetophenone	39.6		1.80	5.00	ug/L
65794-96-9	3+4-Methylphenols	39.7		2.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.9		2.00	2.50	ug/L
67-72-1	Hexachloroethane	39.1		1.60	5.00	ug/L
98-95-3	Nitrobenzene	38.2		1.70	5.00	ug/L
78-59-1	Isophorone	38.6		1.70	5.00	ug/L
88-75-5	2-Nitrophenol	40.7		2.40	5.00	ug/L
105-67-9	2,4-Dimethylphenol	51.4		3.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38.4		2.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	39.5		1.70	5.00	ug/L
91-20-3	Naphthalene	37.7		1.70	5.00	ug/L
106-47-8	4-Chloroaniline	23.7		2.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	36.7		1.90	5.00	ug/L
105-60-2	Caprolactam	40.7		3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	39.1		1.80	5.00	ug/L
91-57-6	2-Methylnaphthalene	37.0		2.20	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	95.0	E	5.70	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	40.7		1.50	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	40.0		1.60	5.00	ug/L
92-52-4	1,1-Biphenyl	38.3		1.80	5.00	ug/L
91-58-7	2-Chloronaphthalene	38.1		1.60	5.00	ug/L
88-74-4	2-Nitroaniline	40.9		2.40	5.00	ug/L
131-11-3	Dimethylphthalate	39.6		1.90	5.00	ug/L
208-96-8	Acenaphthylene	40.6		2.10	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	38.8		2.10	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	PB157565BS		SDG No.:	O5622
Lab Sample ID:	PB157565BS		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136654.D	1	12/05/23 09:10	12/20/23 18:33	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	32.6		2.40	5.00	ug/L
83-32-9	Acenaphthene	38.5		1.70	5.00	ug/L
51-28-5	2,4-Dinitrophenol	81.4	E	5.50	10.0	ug/L
100-02-7	4-Nitrophenol	81.5	E	2.80	10.0	ug/L
132-64-9	Dibenzofuran	38.2		1.60	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	38.2		2.50	5.00	ug/L
84-66-2	Diethylphthalate	39.3		2.10	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37.2		2.20	5.00	ug/L
86-73-7	Fluorene	38.2		2.00	5.00	ug/L
100-01-6	4-Nitroaniline	36.6		2.30	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	42.1		1.80	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	40.0		2.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	38.7		2.00	5.00	ug/L
118-74-1	Hexachlorobenzene	38.2		1.90	5.00	ug/L
1912-24-9	Atrazine	39.7		3.50	5.00	ug/L
87-86-5	Pentachlorophenol	71.9		2.60	10.0	ug/L
85-01-8	Phenanthrene	40.1		2.00	5.00	ug/L
120-12-7	Anthracene	39.4		2.30	5.00	ug/L
86-74-8	Carbazole	38.4		1.70	5.00	ug/L
84-74-2	Di-n-butylphthalate	40.5		2.40	5.00	ug/L
206-44-0	Fluoranthene	38.5		2.10	5.00	ug/L
129-00-0	Pyrene	41.4		1.90	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.6		2.80	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	40.8		5.40	10.0	ug/L
56-55-3	Benzo(a)anthracene	40.4		1.50	5.00	ug/L
218-01-9	Chrysene	40.2		1.60	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.5		2.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	45.1		3.10	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.8		1.50	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	46.0		1.90	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.4		2.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.8		2.10	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.3		2.00	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	PB157565BS		SDG No.:	O5622
Lab Sample ID:	PB157565BS		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136654.D	1	12/05/23 09:10	12/20/23 18:33	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	48.3		1.90	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.3		2.10	5.00	ug/L
123-91-1	1,4-Dioxane	30.3		2.40	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.6		1.30	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	120		10 - 139	80%	SPK: 150
13127-88-3	Phenol-d6	115		10 - 134	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.8		49 - 133	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.7		52 - 132	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		32 - 145	74%	SPK: 150
1718-51-0	Terphenyl-d14	77.6		36 - 145	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	92000	6.792			
1146-65-2	Naphthalene-d8	383000	8.069			
15067-26-2	Acenaphthene-d10	196000	9.827			
1517-22-2	Phenanthrene-d10	380000	11.316			
1719-03-5	Chrysene-d12	199000	13.974			
1520-96-3	Perylene-d12	157000	15.445			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/01/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/01/23
Client Sample ID:	MW-06IMS	SDG No.:	O5622
Lab Sample ID:	O5612-02MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136575.D	1	12/05/23 09:10	12/14/23 18:48	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	62.4		3.30	10.0	ug/L
108-95-2	Phenol	13.9		1.50	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.9		1.70	5.00	ug/L
95-57-8	2-Chlorophenol	34.6		1.40	5.00	ug/L
95-48-7	2-Methylphenol	25.7		2.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	35.1		2.30	5.00	ug/L
98-86-2	Acetophenone	120	E	1.80	5.00	ug/L
65794-96-9	3+4-Methylphenols	25.3		2.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.2		2.00	2.50	ug/L
67-72-1	Hexachloroethane	38.8		1.60	5.00	ug/L
98-95-3	Nitrobenzene	110	E	1.70	5.00	ug/L
78-59-1	Isophorone	13.0		1.70	5.00	ug/L
88-75-5	2-Nitrophenol	110	E	2.40	5.00	ug/L
105-67-9	2,4-Dimethylphenol	110	E	3.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	87.4	E	2.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	5.50		1.70	5.00	ug/L
91-20-3	Naphthalene	4200	E	1.70	5.00	ug/L
106-47-8	4-Chloroaniline	2000	E	2.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	86.8	E	1.90	5.00	ug/L
105-60-2	Caprolactam	18.9		3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	80.0	E	1.80	5.00	ug/L
91-57-6	2-Methylnaphthalene	1100	E	2.20	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	84.1	E	5.70	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	43.4		1.50	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	40.5		1.60	5.00	ug/L
92-52-4	1,1-Biphenyl	90.6	E	1.80	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.6		1.60	5.00	ug/L
88-74-4	2-Nitroaniline	42.7		2.40	5.00	ug/L
131-11-3	Dimethylphthalate	45.0		1.90	5.00	ug/L
208-96-8	Acenaphthylene	51.7		2.10	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	41.4		2.10	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/01/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/01/23
Client Sample ID:	MW-06IMS	SDG No.:	O5622
Lab Sample ID:	O5612-02MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136575.D	1	12/05/23 09:10	12/14/23 18:48	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	29.7		2.40	5.00	ug/L
83-32-9	Acenaphthene	190	E	1.70	5.00	ug/L
51-28-5	2,4-Dinitrophenol	50.4		5.50	10.0	ug/L
100-02-7	4-Nitrophenol	27.9		2.80	10.0	ug/L
132-64-9	Dibenzofuran	49.2		1.60	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	42.7		2.50	5.00	ug/L
84-66-2	Diethylphthalate	42.0		2.10	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.9		2.20	5.00	ug/L
86-73-7	Fluorene	78.8		2.00	5.00	ug/L
100-01-6	4-Nitroaniline	39.4		2.30	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	32.1		1.80	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	48.4		2.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	46.5		2.00	5.00	ug/L
118-74-1	Hexachlorobenzene	44.4		1.90	5.00	ug/L
1912-24-9	Atrazine	55.2		3.50	5.00	ug/L
87-86-5	Pentachlorophenol	82.7	E	2.60	10.0	ug/L
85-01-8	Phenanthrene	89.7	E	2.00	5.00	ug/L
120-12-7	Anthracene	54.2		2.30	5.00	ug/L
86-74-8	Carbazole	67.5		1.70	5.00	ug/L
84-74-2	Di-n-butylphthalate	45.9		2.40	5.00	ug/L
206-44-0	Fluoranthene	48.4		2.10	5.00	ug/L
129-00-0	Pyrene	40.6		1.90	5.00	ug/L
85-68-7	Butylbenzylphthalate	42.2		2.80	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	45.1		5.40	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.8		1.50	5.00	ug/L
218-01-9	Chrysene	44.8		1.60	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.1		2.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	54.1		3.10	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	40.8		1.50	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	38.7		1.90	5.00	ug/L
50-32-8	Benzo(a)pyrene	42.8		2.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40.1		2.10	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	40.5		2.00	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/01/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/01/23
Client Sample ID:	MW-06IMS	SDG No.:	O5622
Lab Sample ID:	O5612-02MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136575.D	1	12/05/23 09:10	12/14/23 18:48	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	36.4		1.90	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.2		2.10	5.00	ug/L
123-91-1	1,4-Dioxane	18.2		2.40	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	40.9		1.30	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	55.8		10 - 139	37%	SPK: 150
13127-88-3	Phenol-d6	34.0		10 - 134	23%	SPK: 150
4165-60-0	Nitrobenzene-d5	188	*	49 - 133	188%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.0		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		32 - 145	73%	SPK: 150
1718-51-0	Terphenyl-d14	68.1		36 - 145	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	99200		6.798		
1146-65-2	Naphthalene-d8	160000		8.092		
15067-26-2	Acenaphthene-d10	174000		9.827		
1517-22-2	Phenanthrene-d10	293000		11.316		
1719-03-5	Chrysene-d12	215000		13.968		
1520-96-3	Perylene-d12	257000		15.445		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/01/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/01/23
Client Sample ID:	MW-06IMSD	SDG No.:	O5622
Lab Sample ID:	O5612-03MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136576.D	1	12/05/23 09:10	12/14/23 19:19	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	62.9		3.30	10.0	ug/L
108-95-2	Phenol	14.1		1.50	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	42.7		1.70	5.00	ug/L
95-57-8	2-Chlorophenol	35.3		1.40	5.00	ug/L
95-48-7	2-Methylphenol	25.7		2.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	35.5		2.30	5.00	ug/L
98-86-2	Acetophenone	120	E	1.80	5.00	ug/L
65794-96-9	3+4-Methylphenols	25.8		2.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.7		2.00	2.50	ug/L
67-72-1	Hexachloroethane	39.2		1.60	5.00	ug/L
98-95-3	Nitrobenzene	110	E	1.70	5.00	ug/L
78-59-1	Isophorone	13.0		1.70	5.00	ug/L
88-75-5	2-Nitrophenol	110	E	2.40	5.00	ug/L
105-67-9	2,4-Dimethylphenol	110	E	3.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	11.0		2.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	6.70		1.70	5.00	ug/L
91-20-3	Naphthalene	4200	E	1.70	5.00	ug/L
106-47-8	4-Chloroaniline	2000	E	2.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	85.0	E	1.90	5.00	ug/L
105-60-2	Caprolactam	19.3		3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	81.8	E	1.80	5.00	ug/L
91-57-6	2-Methylnaphthalene	1100	E	2.20	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	89.3	E	5.70	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.3		1.50	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	40.4		1.60	5.00	ug/L
92-52-4	1,1-Biphenyl	92.4	E	1.80	5.00	ug/L
91-58-7	2-Chloronaphthalene	44.0		1.60	5.00	ug/L
88-74-4	2-Nitroaniline	43.5		2.40	5.00	ug/L
131-11-3	Dimethylphthalate	46.1		1.90	5.00	ug/L
208-96-8	Acenaphthylene	52.3		2.10	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	42.6		2.10	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/01/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/01/23
Client Sample ID:	MW-06IMSD	SDG No.:	O5622
Lab Sample ID:	O5612-03MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136576.D	1	12/05/23 09:10	12/14/23 19:19	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	29.6		2.40	5.00	ug/L
83-32-9	Acenaphthene	190	E	1.70	5.00	ug/L
51-28-5	2,4-Dinitrophenol	51.5		5.50	10.0	ug/L
100-02-7	4-Nitrophenol	28.8		2.80	10.0	ug/L
132-64-9	Dibenzofuran	49.4		1.60	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	43.5		2.50	5.00	ug/L
84-66-2	Diethylphthalate	42.5		2.10	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.2		2.20	5.00	ug/L
86-73-7	Fluorene	79.7		2.00	5.00	ug/L
100-01-6	4-Nitroaniline	41.1		2.30	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	33.7		1.80	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	48.4		2.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.9		2.00	5.00	ug/L
118-74-1	Hexachlorobenzene	45.1		1.90	5.00	ug/L
1912-24-9	Atrazine	55.7		3.50	5.00	ug/L
87-86-5	Pentachlorophenol	83.7	E	2.60	10.0	ug/L
85-01-8	Phenanthrene	89.4	E	2.00	5.00	ug/L
120-12-7	Anthracene	54.8		2.30	5.00	ug/L
86-74-8	Carbazole	68.0		1.70	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.0		2.40	5.00	ug/L
206-44-0	Fluoranthene	48.8		2.10	5.00	ug/L
129-00-0	Pyrene	40.2		1.90	5.00	ug/L
85-68-7	Butylbenzylphthalate	42.1		2.80	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	48.7		5.40	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.3		1.50	5.00	ug/L
218-01-9	Chrysene	44.8		1.60	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.0		2.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	55.5		3.10	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	41.7		1.50	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	39.5		1.90	5.00	ug/L
50-32-8	Benzo(a)pyrene	43.7		2.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40.5		2.10	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	41.3		2.00	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/01/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/01/23	
Client Sample ID:	MW-06IMSD		SDG No.:	O5622	
Lab Sample ID:	O5612-03MSD		Matrix:	Water	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136576.D	1	12/05/23 09:10	12/14/23 19:19	PB157565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	36.7		1.90	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.3		2.10	5.00	ug/L
123-91-1	1,4-Dioxane	18.6		2.40	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41.4		1.30	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	55.9		10 - 139	37%	SPK: 150
13127-88-3	Phenol-d6	35.2		10 - 134	23%	SPK: 150
4165-60-0	Nitrobenzene-d5	195	*	49 - 133	195%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.5		52 - 132	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	113		32 - 145	75%	SPK: 150
1718-51-0	Terphenyl-d14	66.8		36 - 145	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	102000		6.798		
1146-65-2	Naphthalene-d8	161000		8.098		
15067-26-2	Acenaphthene-d10	176000		9.827		
1517-22-2	Phenanthrene-d10	300000		11.316		
1719-03-5	Chrysene-d12	225000		13.968		
1520-96-3	Perylene-d12	269000		15.445		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF120523.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Dec 06 09:40:27 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BF136402.D 5 =BF136403.D 10 =BF136404.D 20 =BF136405.D 40 =BF136408.D 50 =BF136407.D 60 =BF136409.D 80 =BF136410.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.553	0.525	0.562	0.561	0.503	0.529	0.517	0.536	4.30	
3) Pyridine	1.291	1.233	1.362	1.395	1.236	1.312	1.253	1.297	4.85	
4) n-Nitrosodimet...	0.543	0.539	0.592	0.599	0.537	0.575	0.560	0.564	4.54	
5) S 2-Fluorophenol	1.404	1.370	1.457	1.409	1.262	1.320	1.257	1.354	5.66	
6) Aniline	1.753	1.714	1.808	1.805	1.580	1.692	1.602	1.708	5.31	
7) S Phenol-d6	1.801	1.719	1.801	1.754	1.563	1.628	1.561	1.690	6.21	
8) 2-Chlorophenol	1.568	1.493	1.574	1.534	1.377	1.437	1.367	1.478	5.84	
9) Benzaldehyde	1.111	1.029	1.039	0.910	0.737	0.767	0.680	0.896	18.95	
10) C Phenol	1.935	1.805	1.915	1.875	1.681	1.742	1.632	1.798	6.53	
11) bis(2-Chloroet...	1.421	1.374	1.412	1.383	1.236	1.307	1.248	1.340	5.72	
12) 1,3-Dichlorobe...	1.759	1.670	1.750	1.729	1.542	1.621	1.569	1.663	5.28	
13) C 1,4-Dichlorobe...	1.765	1.715	1.762	1.749	1.567	1.668	1.580	1.687	4.99	
14) 1,2-Dichlorobe...	1.703	1.606	1.703	1.640	1.459	1.527	1.465	1.586	6.56	
15) Benzyl Alcohol	1.156	1.130	1.230	1.198	1.066	1.108	1.031	1.131	6.23	
16) 2,2'-oxybis(1-...	1.889	1.753	1.853	1.782	1.593	1.638	1.557	1.724	7.50	
17) 2-Methylphenol	1.189	1.223	1.273	1.257	1.115	1.175	1.129	1.194	5.07	
18) Hexachloroethane	0.616	0.577	0.625	0.619	0.552	0.576	0.557	0.589	5.23	
19) P n-Nitroso-di-n...	0.947	1.081	0.993	1.033	1.020	0.898	0.939	0.886	0.975	7.03
20) 3+4-Methylphenols	1.637	1.525	1.620	1.534	1.353	1.396	1.314	1.483	8.69	

21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.523	0.501	0.515	0.511	0.465	0.479	0.463	0.494	4.98	
23) S Nitrobenzene-d5	0.385	0.361	0.385	0.389	0.350	0.365	0.355	0.370	4.39	
24) Nitrobenzene	0.385	0.363	0.383	0.388	0.354	0.371	0.361	0.372	3.57	
25) Isophorone	0.681	0.663	0.687	0.697	0.623	0.659	0.642	0.665	3.93	
26) C 2-Nitrophenol	0.175	0.178	0.188	0.197	0.176	0.187	0.180	0.183	4.34	
27) 2,4-Dimethylph...	0.234	0.223	0.237	0.238	0.213	0.220	0.215	0.226	4.69	
28) bis(2-Chloroet...	0.423	0.410	0.428	0.424	0.387	0.399	0.388	0.408	4.31	
29) C 2,4-Dichloroph...	0.307	0.287	0.307	0.316	0.283	0.296	0.287	0.298	4.22	
30) 1,2,4-Trichlor...	0.355	0.343	0.359	0.364	0.329	0.344	0.337	0.347	3.68	
31) Naphthalene	1.171	1.106	1.148	1.151	1.032	1.076	1.036	1.103	5.13	
32) Benzoic acid	0.192	0.195	0.223	0.247	0.229	0.246	0.235	0.224	10.05	
33) 4-Chloroaniline	0.395	0.397	0.416	0.417	0.361	0.395	0.371	0.393	5.31	
34) C Hexachlorobuta...	0.214	0.209	0.213	0.215	0.191	0.202	0.196	0.206	4.62	
35) Caprolactam	0.097	0.091	0.095	0.097	0.084	0.091	0.088	0.092	5.14	
36) C 4-Chloro-3-met...	0.324	0.313	0.330	0.333	0.298	0.313	0.301	0.316	4.38	
37) 2-Methylnaphth...	0.764	0.699	0.734	0.725	0.661	0.679	0.649	0.702	5.97	
38) 1-Methylnaphth...	0.748	0.702	0.716	0.714	0.645	0.665	0.631	0.689	6.19	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.655	0.598	0.654	0.643	0.590	0.615	0.601	0.622	4.46	
41) P	Hexachlorocycl...		0.184	0.220	0.249	0.232	0.250	0.248	0.231	11.22	
42) S	2,4,6-Tribromo...	0.254	0.245	0.258	0.259	0.233	0.242	0.234	0.247	4.38	
43) C	2,4,6-Trichlor...	0.401	0.395	0.426	0.424	0.390	0.404	0.395	0.405	3.55	
44)	2,4,5-Trichlor...	0.445	0.442	0.483	0.476	0.427	0.449	0.443	0.452	4.39	
45) S	2-Fluorobiphenyl	1.605	1.529	1.559	1.506	1.344	1.385	1.332	1.466	7.53	
46)	1,1'-Biphenyl	1.792	1.716	1.804	1.757	1.592	1.644	1.609	1.702	5.14	
47)	2-Chloronaphth...	1.377	1.329	1.380	1.364	1.253	1.303	1.266	1.325	3.95	
48)	2-Nitroaniline	0.350	0.338	0.370	0.378	0.341	0.357	0.352	0.355	4.09	
49)	Acenaphthylene	1.990	1.891	2.003	1.954	1.773	1.832	1.765	1.887	5.27	
50)	Dimethylphthalate	1.510	1.448	1.543	1.524	1.393	1.469	1.420	1.472	3.78	
51)	2,6-Dinitrotol...	0.335	0.321	0.345	0.347	0.315	0.330	0.324	0.331	3.66	
52) C	Acenaphthene	1.298	1.218	1.285	1.250	1.121	1.167	1.126	1.209	6.03	
53)	3-Nitroaniline	0.341	0.332	0.356	0.356	0.316	0.340	0.327	0.338	4.29	
54) P	2,4-Dinitrophenol		0.124	0.156	0.189	0.167	0.188	0.182	0.167	14.79	
55)	Dibenzofuran	1.924	1.803	1.858	1.822	1.642	1.707	1.610	1.766	6.57	
56) P	4-Nitrophenol	0.224	0.234	0.270	0.280	0.253	0.263	0.251	0.254	7.69	
57)	2,4-Dinitrotol...	0.435	0.430	0.460	0.463	0.413	0.446	0.420	0.438	4.36	
58)	Fluorene	1.565	1.450	1.527	1.451	1.308	1.341	1.285	1.418	7.68	
59)	2,3,4,6-Tetrac...	0.378	0.355	0.386	0.381	0.343	0.354	0.338	0.362	5.31	
60)	Diethylphthalate	1.532	1.448	1.513	1.507	1.368	1.406	1.361	1.448	4.93	
61)	4-Chlorophenyl...	0.766	0.711	0.744	0.702	0.633	0.659	0.625	0.691	7.84	
62)	4-Nitroaniline	0.328	0.334	0.355	0.364	0.318	0.335	0.318	0.336	5.24	
63)	Azobenzene	1.371	1.314	1.400	1.367	1.241	1.284	1.248	1.318	4.79	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.096	0.110	0.127	0.141	0.126	0.138	0.130	0.124	12.93	
66) c	n-Nitrosodiphe...	0.683	0.642	0.664	0.654	0.602	0.637	0.610	0.642	4.50	
67)	4-Bromophenyl-...	0.240	0.228	0.242	0.243	0.219	0.234	0.222	0.233	4.22	
68)	Hexachlorobenzene	0.278	0.266	0.275	0.277	0.257	0.269	0.259	0.269	3.17	
69)	Atrazine	0.213	0.198	0.194	0.177	0.157	0.159		0.183	12.29	
70) C	Pentachlorophenol	0.141	0.142	0.157	0.163	0.151	0.159	0.150	0.152	5.46	
71)	Phenanthrene	1.167	1.108	1.146	1.130	1.039	1.072	1.032	1.099	4.80	
72)	Anthracene	1.166	1.115	1.151	1.141	1.046	1.096	1.034	1.107	4.64	
73)	Carbazole	1.049	1.003	1.021	1.019	0.915	0.961	0.893	0.980	6.00	
74)	Di-n-butylphth...	1.229	1.208	1.265	1.253	1.137	1.197	1.120	1.201	4.58	
75) C	Fluoranthene	1.259	1.193	1.218	1.195	1.065	1.118	1.016	1.152	7.65	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.585	0.276	0.198	0.385	0.423	0.547		0.402	37.32	
78)	Pyrene	1.853	1.803	1.991	2.048	1.945	2.041	2.029	1.959	4.94	
79) S	Terphenyl-d14	1.505	1.447	1.589	1.573	1.479	1.521	1.507	1.517	3.28	
80)	Butylbenzylpht...	0.653	0.637	0.718	0.747	0.696	0.726	0.703	0.697	5.69	
81)	Benzo(a)anthra...	1.463	1.399	1.454	1.419	1.322	1.359	1.336	1.393	4.03	
82)	3,3'-Dichlorob...	0.404	0.410	0.409	0.396	0.382	0.373	0.361	0.391	4.90	
83)	Chrysene	1.394	1.357	1.408	1.417	1.309	1.370	1.340	1.371	2.83	
84)	Bis(2-ethylhex...	0.775	0.791	0.869	0.914	0.858	0.906	0.871	0.855	6.20	
85) c	Di-n-octyl pht...	1.103	1.140	1.232	1.340	1.269	1.360	1.394	1.263	8.82	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.175	1.176	1.377	1.535	1.459	1.517	1.487	1.389	11.12
88)	Benzo(b)fluora...	1.470	1.367	1.491	1.375	1.245	1.385	1.239	1.367	7.18
89)	Benzo(k)fluora...	1.402	1.326	1.302	1.363	1.249	1.203	1.175	1.289	6.48
90) C	Benzo(a)pyrene	1.153	1.109	1.154	1.178	1.081	1.143	1.087	1.129	3.29
91)	Dibenzo(a,h)an...	0.967	0.984	1.129	1.251	1.188	1.238	1.210	1.138	10.37
92)	Benzo(g,h,i)pe...	0.992	0.974	1.157	1.292	1.238	1.272	1.252	1.168	11.43

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF122023.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Dec 21 01:54:25 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BF136641.D 5 =BF136642.D 10 =BF136643.D 20 =BF136644.D 40 =BF136645.D 50 =BF136646.D 60 =BF136647.D 80 =BF136648.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.574	0.559	0.558	0.520	0.506	0.523	0.499	0.534	5.47	
3) Pyridine	1.291	1.358	1.339	1.317	1.279	1.310	1.226	1.303	3.32	
4) n-Nitrosodimet...	0.699	0.672	0.713	0.715	0.687	0.709	0.677	0.696	2.51	
5) S 2-Fluorophenol	1.352	1.364	1.358	1.291	1.216	1.235	1.157	1.282	6.34	
6) Aniline	1.820	1.749	1.774	1.679	1.552	1.571	1.478	1.661	7.76	
7) S Phenol-d6	1.780	1.725	1.741	1.669	1.589	1.617	1.505	1.661	5.82	
8) 2-Chlorophenol	1.495	1.451	1.498	1.418	1.326	1.360	1.271	1.403	6.20	
9) Benzaldehyde	1.123	1.062	1.041	0.933	0.850	0.854	0.751	0.945	14.32	
10) C Phenol	1.929	1.859	1.870	1.770	1.654	1.721	1.607	1.773	6.73	
11) bis(2-Chloroet...	1.393	1.403	1.435	1.366	1.285	1.313	1.243	1.348	5.16	
12) 1,3-Dichlorobe...	1.617	1.583	1.608	1.544	1.456	1.490	1.414	1.530	5.13	
13) C 1,4-Dichlorobe...	1.694	1.631	1.646	1.571	1.473	1.517	1.413	1.564	6.46	
14) 1,2-Dichlorobe...	1.599	1.533	1.551	1.460	1.367	1.390	1.284	1.455	7.81	
15) Benzyl Alcohol	1.137	1.156	1.217	1.145	1.077	1.093	1.020	1.121	5.66	
16) 2,2'-oxybis(1-...	2.360	2.272	2.324	2.237	2.103	2.134	2.002	2.205	5.87	
17) 2-Methylphenol	1.291	1.198	1.200	1.158	1.103	1.119	1.065	1.162	6.49	
18) Hexachloroethane	0.608	0.581	0.598	0.568	0.547	0.556	0.516	0.568	5.52	
19) P n-Nitroso-di-n...	1.012	1.090	1.051	1.056	1.001	0.939	0.983	0.923	1.007	5.74
20) 3+4-Methylphenols	1.620	1.556	1.548	1.450	1.342	1.370	1.277	1.452	8.79	

21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.548	0.505	0.528	0.510	0.466	0.487	0.466	0.501	6.14	
23) S Nitrobenzene-d5	0.406	0.388	0.406	0.404	0.370	0.388	0.374	0.391	3.86	
24) Nitrobenzene	0.402	0.389	0.402	0.409	0.375	0.391	0.372	0.392	3.58	
25) Isophorone	0.735	0.712	0.732	0.728	0.679	0.706	0.688	0.711	3.08	
26) C 2-Nitrophenol	0.181	0.178	0.196	0.198	0.180	0.192	0.185	0.187	4.35	
27) 2,4-Dimethylph...	0.224	0.225	0.240	0.235	0.220	0.233	0.219	0.228	3.62	
28) bis(2-Chloroet...	0.451	0.433	0.441	0.450	0.411	0.425	0.416	0.432	3.61	
29) C 2,4-Dichloroph...	0.301	0.294	0.309	0.304	0.282	0.290	0.276	0.294	4.03	
30) 1,2,4-Trichlor...	0.341	0.328	0.346	0.337	0.310	0.321	0.307	0.327	4.60	
31) Naphthalene	1.191	1.111	1.138	1.126	1.033	1.077	1.017	1.099	5.57	
32) Benzoic acid	0.171	0.180	0.227	0.246	0.231	0.248	0.242	0.221	14.37	
33) 4-Chloroaniline	0.430	0.410	0.427	0.417	0.382	0.392	0.381	0.406	5.08	
34) C Hexachlorobuta...	0.212	0.200	0.207	0.203	0.188	0.195	0.186	0.199	4.90	
35) Caprolactam	0.102	0.099	0.095	0.101	0.092	0.096	0.092	0.097	4.07	
36) C 4-Chloro-3-met...	0.345	0.332	0.347	0.340	0.315	0.324	0.311	0.331	4.31	
37) 2-Methylnaphth...	0.776	0.735	0.740	0.720	0.657	0.676	0.646	0.707	6.83	
38) 1-Methylnaphth...	0.764	0.716	0.739	0.701	0.641	0.661	0.635	0.694	7.15	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.657	0.634	0.653	0.634	0.571	0.614	0.574	0.619	5.64	
41) P	Hexachlorocycl...	0.111	0.159	0.182	0.186	0.198	0.197	0.172	19.18		
42) S	2,4,6-Tribromo...	0.253	0.249	0.253	0.240	0.216	0.226	0.211	0.236	7.47	
43) C	2,4,6-Trichlor...	0.404	0.397	0.414	0.409	0.378	0.400	0.379	0.397	3.46	
44)	2,4,5-Trichlor...	0.456	0.457	0.454	0.455	0.413	0.444	0.420	0.443	4.24	
45) S	2-Fluorobiphenyl	1.709	1.599	1.587	1.474	1.338	1.420	1.282	1.487	10.31	
46)	1,1'-Biphenyl	1.823	1.763	1.777	1.681	1.555	1.636	1.512	1.678	6.98	
47)	2-Chloronaphth...	1.405	1.312	1.331	1.289	1.182	1.248	1.164	1.276	6.65	
48)	2-Nitroaniline	0.399	0.410	0.413	0.409	0.382	0.401	0.384	0.400	3.08	
49)	Acenaphthylene	2.105	2.052	2.068	1.984	1.793	1.899	1.750	1.950	7.15	
50)	Dimethylphthalate	1.563	1.517	1.522	1.463	1.373	1.432	1.355	1.461	5.38	
51)	2,6-Dinitrotol...	0.344	0.334	0.352	0.339	0.314	0.331	0.307	0.332	4.88	
52) C	Acenaphthene	1.324	1.287	1.259	1.215	1.115	1.167	1.093	1.209	7.23	
53)	3-Nitroaniline	0.369	0.364	0.371	0.364	0.325	0.344	0.321	0.351	6.05	
54) P	2,4-Dinitrophenol	0.119	0.153	0.184	0.169	0.185	0.183	0.165	15.68		
55)	Dibenzofuran	2.080	1.962	1.961	1.835	1.663	1.739	1.587	1.832	9.77	
56) P	4-Nitrophenol	0.214	0.234	0.244	0.252	0.237	0.245	0.234	0.237	5.20	
57)	2,4-Dinitrotol...	0.451	0.459	0.466	0.446	0.394	0.416	0.381	0.430	7.83	
58)	Fluorene	1.644	1.599	1.548	1.451	1.309	1.364	1.263	1.454	10.19	
59)	2,3,4,6-Tetrac...	0.338	0.344	0.375	0.356	0.327	0.335	0.311	0.341	6.05	
60)	Diethylphthalate	1.660	1.616	1.590	1.539	1.395	1.456	1.353	1.516	7.69	
61)	4-Chlorophenyl...	0.818	0.766	0.752	0.711	0.638	0.660	0.603	0.707	10.89	
62)	4-Nitroaniline	0.385	0.376	0.346	0.333	0.307	0.320	0.303	0.339	9.60	
63)	Azobenzene	1.513	1.493	1.511	1.421	1.306	1.378	1.288	1.416	6.72	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.084	0.099	0.120	0.130	0.117	0.128	0.125	0.115	14.61	
66) c	n-Nitrosodiphe...	0.689	0.666	0.676	0.675	0.602	0.638	0.601	0.650	5.59	
67)	4-Bromophenyl-...	0.237	0.226	0.232	0.229	0.209	0.216	0.206	0.222	5.33	
68)	Hexachlorobenzene	0.257	0.255	0.263	0.255	0.229	0.242	0.231	0.248	5.45	
69)	Atrazine	0.196	0.188	0.165	0.144	0.140	0.164	0.166	13.77		
70) C	Pentachlorophenol	0.089	0.111	0.121	0.130	0.118	0.122	0.118	0.115	11.33	
71)	Phenanthrene	1.121	1.090	1.075	1.062	0.941	0.974	0.920	1.026	7.75	
72)	Anthracene	1.155	1.088	1.094	1.059	0.953	0.997	0.928	1.039	7.92	
73)	Carbazole	1.081	1.047	1.037	1.004	0.899	0.919	0.871	0.980	8.40	
74)	Di-n-butylphth...	1.284	1.281	1.263	1.225	1.108	1.146	1.062	1.196	7.53	
75) C	Fluoranthene	1.272	1.217	1.161	1.119	0.983	1.005	0.929	1.098	11.73	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.709	0.595	0.664	0.560	0.556	0.585	0.460	0.590	13.58	
78)	Pyrene	1.907	1.886	2.058	2.047	1.908	1.994	1.943	1.963	3.58	
79) S	Terphenyl-d14	1.491	1.447	1.509	1.486	1.348	1.399	1.338	1.431	4.91	
80)	Butylbenzylphth...	0.679	0.678	0.748	0.755	0.698	0.730	0.712	0.714	4.39	
81)	Benzo(a)anthra...	1.501	1.419	1.435	1.428	1.296	1.344	1.298	1.389	5.58	
82)	3,3'-Dichlorob...	0.405	0.397	0.419	0.395	0.374	0.396	0.375	0.394	4.01	
83)	Chrysene	1.441	1.384	1.424	1.373	1.262	1.343	1.281	1.358	4.99	
84)	Bis(2-ethylhex...	0.849	0.869	0.929	0.946	0.891	0.917	0.892	0.899	3.79	
85) c	Di-n-octyl pht...	1.242	1.271	1.379	1.452	1.424	1.504	1.460	1.390	7.14	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122023.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.323	1.312	1.428	1.517	1.483	1.540	1.505	1.444	6.43
88)	Benzo(b)fluora...	1.483	1.341	1.421	1.321	1.238	1.330	1.218	1.336	7.02
89)	Benzo(k)fluora...	1.416	1.371	1.288	1.304	1.193	1.120	1.144	1.262	8.96
90) C	Benzo(a)pyrene	1.182	1.132	1.153	1.149	1.094	1.101	1.081	1.128	3.25
91)	Dibenzo(a,h)an...	1.091	1.092	1.185	1.264	1.205	1.250	1.206	1.185	5.84
92)	Benzo(g,h,i)pe...	1.073	1.087	1.211	1.285	1.266	1.302	1.268	1.213	7.86

(#) = Out of Range

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG No.: O5622
 Instrument ID: BNA_F Calibration Date/Time: 12/14/2023 12:24
 Lab File ID: BF136563.D Init. Calib. Date(s): 12/05/2023 12/05/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:56 17:09
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.354	1.176		-13.1	
Benzaldehyde	0.896	0.805		-10.2	
Phenol-d6	1.690	1.491		-11.8	
Phenol	1.798	1.590		-11.6	20.0
bis(2-Chloroethyl) ether	1.340	1.171		-12.6	
2-Chlorophenol	1.478	1.282		-13.3	
2-Methylphenol	1.194	1.098		-8.0	
2,2-oxybis(1-Chloropropane)	1.724	1.433		-16.9	
Acetophenone	0.494	0.438		-11.3	
3+4-Methylphenols	1.483	1.346		-9.2	
n-Nitroso-di-n-propylamine	0.975	0.851	0.050	-12.7	
Nitrobenzene-d5	0.370	0.340		-8.1	
Hexachloroethane	0.589	0.476		-19.2	
Nitrobenzene	0.372	0.326		-12.4	
Isophorone	0.665	0.597		-10.2	
2-Nitrophenol	0.183	0.172		-6.0	20.0
2,4-Dimethylphenol	0.226	0.269		19.0	
bis(2-Chloroethoxy) methane	0.408	0.369		-9.6	
2,4-Dichlorophenol	0.298	0.274		-8.1	20.0
Naphthalene	1.103	0.967		-12.3	
4-Chloroaniline	0.393	0.403		2.5	
Hexachlorobutadiene	0.206	0.177		-14.1	20.0
Caprolactam	0.092	0.085		-7.6	
4-Chloro-3-methylphenol	0.316	0.288		-8.9	20.0
2-Methylnaphthalene	0.702	0.647		-7.8	
Hexachlorocyclopentadiene	0.231	0.252	0.050	9.1	
2,4,6-Trichlorophenol	0.405	0.365		-9.9	20.0
2-Fluorobiphenyl	1.466	1.345		-8.3	
2,4,5-Trichlorophenol	0.452	0.420		-7.1	
1,1-Biphenyl	1.702	1.524		-10.5	
2-Chloronaphthalene	1.325	1.124		-15.2	
2-Nitroaniline	0.355	0.329		-7.3	
Dimethylphthalate	1.472	1.358		-7.7	
Acenaphthylene	1.887	1.722		-8.7	
2,6-Dinitrotoluene	0.331	0.293		-11.5	
3-Nitroaniline	0.338	0.314		-7.1	
Acenaphthene	1.209	1.074		-11.2	20.0
2,4-Dinitrophenol	0.167	0.139	0.050	-16.8	
4-Nitrophenol	0.254	0.219	0.050	-13.8	
Dibenzofuran	1.766	1.589		-10.0	
2,4-Dinitrotoluene	0.438	0.384		-12.3	

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG No.: O5622
 Instrument ID: BNA_F Calibration Date/Time: 12/14/2023 12:24
 Lab File ID: BF136563.D Init. Calib. Date(s): 12/05/2023 12/05/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:56 17:09
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.448	1.285		-11.3	
4-Chlorophenyl-phenylether	0.691	0.632		-8.5	
Fluorene	1.418	1.247		-12.1	
4-Nitroaniline	0.336	0.313		-6.8	
4,6-Dinitro-2-methylphenol	0.124	0.115		-7.3	
n-Nitrosodiphenylamine	0.642	0.599		-6.7	20.0
2,4,6-Tribromophenol	0.247	0.230		-6.9	
4-Bromophenyl-phenylether	0.233	0.217		-6.9	
Hexachlorobenzene	0.269	0.230		-14.5	
Atrazine	0.183	0.167		-8.7	
Pentachlorophenol	0.152	0.124		-18.4	20.0
Phenanthrene	1.099	1.002		-8.8	
Anthracene	1.107	1.029		-7.0	
Carbazole	0.980	0.861		-12.1	
Di-n-butylphthalate	1.201	1.102		-8.2	
Fluoranthene	1.152	1.002		-13.0	20.0
Pyrene	1.959	1.843		-5.9	
Terphenyl-d14	1.517	1.500		-1.1	
Butylbenzylphthalate	0.697	0.698		0.1	
3,3-Dichlorobenzidine	0.391	0.407		4.1	
Benzo(a)anthracene	1.393	1.282		-8.0	
Chrysene	1.371	1.261		-8.0	
Bis(2-ethylhexyl)phthalate	0.855	0.889		4.0	
Di-n-octyl phthalate	1.263	1.351		7.0	20.0
Benzo(b)fluoranthene	1.367	1.097		-19.8	
Benzo(k)fluoranthene	1.289	1.120		-13.1	
Benzo(a)pyrene	1.129	1.074		-4.9	20.0
Indeno(1,2,3-cd)pyrene	1.389	1.339		-3.6	
Dibenzo(a,h)anthracene	1.138	1.107		-2.7	
Benzo(g,h,i)perylene	1.168	1.102		-5.7	
1,2,4,5-Tetrachlorobenzene	0.622	0.575		-7.6	
1,4-Dioxane	0.536	0.463		-13.6	20.0
2,3,4,6-Tetrachlorophenol	0.362	0.325		-10.2	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG No.: O5622
 Instrument ID: BNA_F Calibration Date/Time: 12/15/2023 10:52
 Lab File ID: BF136585.D Init. Calib. Date(s): 12/05/2023 12/05/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:56 17:09
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.354	1.207		-10.9	
Benzaldehyde	0.896	0.826		-7.8	
Phenol-d6	1.690	1.510		-10.7	
Phenol	1.798	1.564		-13.0	20.0
bis(2-Chloroethyl) ether	1.340	1.189		-11.3	
2-Chlorophenol	1.478	1.330		-10.0	
2-Methylphenol	1.194	1.112		-6.9	
2,2-oxybis(1-Chloropropane)	1.724	1.406		-18.4	
Acetophenone	0.494	0.438		-11.3	
3+4-Methylphenols	1.483	1.391		-6.2	
n-Nitroso-di-n-propylamine	0.975	0.875	0.050	-10.3	
Nitrobenzene-d5	0.370	0.333		-10.0	
Hexachloroethane	0.589	0.489		-17.0	
Nitrobenzene	0.372	0.317		-14.8	
Isophorone	0.665	0.583		-12.3	
2-Nitrophenol	0.183	0.173		-5.5	20.0
2,4-Dimethylphenol	0.226	0.264		16.8	
bis(2-Chloroethoxy) methane	0.408	0.365		-10.5	
2,4-Dichlorophenol	0.298	0.270		-9.4	20.0
Naphthalene	1.103	0.954		-13.5	
4-Chloroaniline	0.393	0.397		1.0	
Hexachlorobutadiene	0.206	0.172		-16.5	20.0
Caprolactam	0.092	0.083		-9.8	
4-Chloro-3-methylphenol	0.316	0.287		-9.2	20.0
2-Methylnaphthalene	0.702	0.647		-7.8	
Hexachlorocyclopentadiene	0.231	0.230	0.050	-0.4	
2,4,6-Trichlorophenol	0.405	0.360		-11.1	20.0
2-Fluorobiphenyl	1.466	1.355		-7.6	
2,4,5-Trichlorophenol	0.452	0.424		-6.2	
1,1-Biphenyl	1.702	1.534		-9.9	
2-Chloronaphthalene	1.325	1.118		-15.6	
2-Nitroaniline	0.355	0.320		-9.9	
Dimethylphthalate	1.472	1.382		-6.1	
Acenaphthylene	1.887	1.734		-8.1	
2,6-Dinitrotoluene	0.331	0.307		-7.3	
3-Nitroaniline	0.338	0.311		-8.0	
Acenaphthene	1.209	1.078		-10.8	20.0
2,4-Dinitrophenol	0.167	0.141	0.050	-15.6	
4-Nitrophenol	0.254	0.203	0.050	-20.1	
Dibenzofuran	1.766	1.612		-8.7	
2,4-Dinitrotoluene	0.438	0.397		-9.4	

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5622 SAS No.: O5622 SDG No.: O5622
 Instrument ID: BNA_F Calibration Date/Time: 12/15/2023 10:52
 Lab File ID: BF136585.D Init. Calib. Date(s): 12/05/2023 12/05/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:56 17:09
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.448	1.321		-8.8	
4-Chlorophenyl-phenylether	0.691	0.647		-6.4	
Fluorene	1.418	1.272		-10.3	
4-Nitroaniline	0.336	0.302		-10.1	
4,6-Dinitro-2-methylphenol	0.124	0.118		-4.8	
n-Nitrosodiphenylamine	0.642	0.615		-4.2	20.0
2,4,6-Tribromophenol	0.247	0.229		-7.3	
4-Bromophenyl-phenylether	0.233	0.224		-3.9	
Hexachlorobenzene	0.269	0.233		-13.4	
Atrazine	0.183	0.165		-9.8	
Pentachlorophenol	0.152	0.151		-0.7	20.0
Phenanthrene	1.099	1.002		-8.8	
Anthracene	1.107	1.031		-6.9	
Carbazole	0.980	0.834		-14.9	
Di-n-butylphthalate	1.201	1.065		-11.3	
Fluoranthene	1.152	0.944		-18.1	20.0
Pyrene	1.959	1.897		-3.2	
Terphenyl-d14	1.517	1.524		0.5	
Butylbenzylphthalate	0.697	0.668		-4.2	
3,3-Dichlorobenzidine	0.391	0.424		8.4	
Benzo(a)anthracene	1.393	1.278		-8.3	
Chrysene	1.371	1.234		-10.0	
Bis(2-ethylhexyl)phthalate	0.855	0.810		-5.3	
Di-n-octyl phthalate	1.263	1.217		-3.6	20.0
Benzo(b)fluoranthene	1.367	1.089		-20.3	
Benzo(k)fluoranthene	1.289	1.073		-16.8	
Benzo(a)pyrene	1.129	1.066		-5.6	20.0
Indeno(1,2,3-cd)pyrene	1.389	1.391		0.1	
Dibenzo(a,h)anthracene	1.138	1.153		1.3	
Benzo(g,h,i)perylene	1.168	1.156		-1.0	
1,2,4,5-Tetrachlorobenzene	0.622	0.572		-8.0	
1,4-Dioxane	0.536	0.461		-14.0	20.0
2,3,4,6-Tetrachlorophenol	0.362	0.324		-10.5	

All other compounds must meet a minimum RRF of 0.010.



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5622	OrderDate:	12/4/2023 2:23:00 PM
Client:	D&B Engineers and Architects, P.C.	Project:	Con Edison - Atlantic Avenue #5324-E02
Contact:	Thomas P. Fox	Location:	L11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5622-01	MW-1A	WATER			11/29/23 11:00			12/04/23
			Anions Group1	300.0			12/05/23 12:50	
O5622-02	MW-5	WATER			11/29/23 11:42			12/04/23
			Anions Group1	300.0			12/05/23 13:22	
O5622-03	MW-10D	WATER			11/29/23 12:41			12/04/23
			Anions Group1	300.0			12/05/23 14:25	
O5622-04	MW-6	WATER			11/29/23 01:15			12/04/23
			Anions Group1	300.0			12/05/23 13:53	
O5622-04DL	MW-6DL	WATER			11/29/23 01:15			12/04/23
			Anions Group1	300.0			12/05/23 16:00	

SAMPLE DATA

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23 11:00
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-1A	SDG No.:	O5622
Lab Sample ID:	O5622-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	34.1		1	0.55	3.00	mg/L		12/05/23 12:50	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23 11:42
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-5	SDG No.:	O5622
Lab Sample ID:	O5622-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	34.0		1	0.55	3.00	mg/L		12/05/23 13:22	300.0

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements
 H = Sample Analysis Out Of Hold Time

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23 12:41
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-10D	SDG No.:	O5622
Lab Sample ID:	O5622-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	28.0		1	0.55	3.00	mg/L		12/05/23 14:25	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23 01:15
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-6	SDG No.:	O5622
Lab Sample ID:	O5622-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	182	OR	1	0.55	3.00	mg/L		12/05/23 13:53	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	11/29/23 01:15
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/04/23
Client Sample ID:	MW-6DL	SDG No.:	O5622
Lab Sample ID:	O5622-04DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	138	D	10	5.50	30.0	mg/L		12/05/23 16:00	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: D&B Engineers and Architects, P.C.

SDG No.: O5622

Project: Con Edison - Atlantic Avenue #5324-E02

RunNo.: LB128577

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	9.9	10	99	90-110	11/13/2023
Chloride	mg/L	3	3	100	90-110	11/13/2023
Fluoride	mg/L	1.9	2	95	90-110	11/13/2023
Nitrite	mg/L	3	3	100	90-110	11/13/2023
Nitrate	mg/L	2.5	2.5	100	90-110	11/13/2023
Sulfate	mg/L	14.8	15	99	90-110	11/13/2023
Orthophosphate as P	mg/L	5	5	100	90-110	11/13/2023
Sample ID: CCV1						
Bromide	mg/L	9.9	10	99	90-110	12/05/2023
Chloride	mg/L	3	3	100	90-110	12/05/2023
Fluoride	mg/L	1.9	2	95	90-110	12/05/2023
Nitrite	mg/L	3	3	100	90-110	12/05/2023
Nitrate	mg/L	2.5	2.5	100	90-110	12/05/2023
Sulfate	mg/L	14.5	15	97	90-110	12/05/2023
Orthophosphate as P	mg/L	4.7	5	94	90-110	12/05/2023
Sample ID: CCV2						
Bromide	mg/L	10	10	100	90-110	12/05/2023
Chloride	mg/L	3	3	100	90-110	12/05/2023
Fluoride	mg/L	2	2	100	90-110	12/05/2023
Nitrite	mg/L	3	3	100	90-110	12/05/2023
Nitrate	mg/L	2.5	2.5	100	90-110	12/05/2023
Sulfate	mg/L	14.4	15	96	90-110	12/05/2023
Orthophosphate as P	mg/L	5.8	5	116	90-110	12/05/2023

Initial and Continuing Calibration Blank Summary

Client: D&B Engineers and Architects, P.C.

SDG No.: O5622

Project: Con Edison - Atlantic Avenue #5324-E02

RunNo.: LB128577

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.27	2	11/13/2023
Chloride	mg/L	< 0.3000	0.3000	U	0.11	0.6	11/13/2023
Fluoride	mg/L	< 0.2000	0.2000	U	0.085	0.4	11/13/2023
Nitrite	mg/L	< 0.3000	0.3000	U	0.089	0.6	11/13/2023
Nitrate	mg/L	< 0.2500	0.2500	U	0.084	0.5	11/13/2023
Sulfate	mg/L	< 1.5000	1.5000	U	0.55	3	11/13/2023
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.30	1	11/13/2023
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.27	2	12/05/2023
Chloride	mg/L	< 0.3000	0.3000	U	0.11	0.6	12/05/2023
Fluoride	mg/L	< 0.2000	0.2000	U	0.085	0.4	12/05/2023
Nitrite	mg/L	< 0.3000	0.3000	U	0.089	0.6	12/05/2023
Nitrate	mg/L	< 0.2500	0.2500	U	0.084	0.5	12/05/2023
Sulfate	mg/L	< 1.5000	1.5000	U	0.55	3	12/05/2023
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.30	1	12/05/2023
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.27	2	12/05/2023
Chloride	mg/L	< 0.3000	0.3000	U	0.11	0.6	12/05/2023
Fluoride	mg/L	< 0.2000	0.2000	U	0.085	0.4	12/05/2023
Nitrite	mg/L	< 0.3000	0.3000	U	0.089	0.6	12/05/2023
Nitrate	mg/L	< 0.2500	0.2500	U	0.084	0.5	12/05/2023
Sulfate	mg/L	< 1.5000	1.5000	U	0.55	3	12/05/2023
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.30	1	12/05/2023

Preparation Blank Summary

Client: D&B Engineers and Architects, P.C.

SDG No.: O5622

Project: Con Edison - Atlantic Avenue #5324-E02

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB128577BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.27	2	12/05/2023
Chloride	mg/L	< 0.3000	0.3000	U	0.11	0.6	12/05/2023
Fluoride	mg/L	< 0.2000	0.2000	U	0.085	0.4	12/05/2023
Nitrite	mg/L	< 0.3000	0.3000	U	0.089	0.6	12/05/2023
Nitrate	mg/L	< 0.2500	0.2500	U	0.084	0.5	12/05/2023
Sulfate	mg/L	< 1.5000	1.5000	U	0.55	3	12/05/2023
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.3	1	12/05/2023

Matrix Spike Summary

Client:	D&B Engineers and Architects, P.C.	SDG No.:	O5622
Project:	Con Edison - Atlantic Avenue #5324-E02	Sample ID:	O5622-03
Client ID:	MW-10DMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	9.60		0.27	U	10	1	96		12/05/2023
Chloride	mg/L	80-120	97.5	OR	97.9	OR	3	1	-13	*	12/05/2023
Fluoride	mg/L	80-120	3.10		0.085	U	2	1	155	*	12/05/2023
Nitrite	mg/L	80-120	2.70		0.20	J	3	1	83		12/05/2023
Nitrate	mg/L	80-120	7.80	OR	5.40		2.5	1	96		12/05/2023
Sulfate	mg/L	80-120	41.8	OR	28.0		15	1	92		12/05/2023
Orthophosphate as P	mg/L	80-120	7.30		0.30	U	5	1	146	*	12/05/2023

Matrix Spike Summary

Client:	D&B Engineers and Architects, P.C.	SDG No.:	O5622
Project:	Con Edison - Atlantic Avenue #5324-E02	Sample ID:	O5622-03
Client ID:	MW-10DMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	9.10		0.27	U	10	1	91		12/05/2023
Chloride	mg/L	80-120	97.3	OR	97.9	OR	3	1	-20	*	12/05/2023
Fluoride	mg/L	80-120	3.20		0.085	U	2	1	160	*	12/05/2023
Nitrite	mg/L	80-120	2.80		0.20	J	3	1	87		12/05/2023
Nitrate	mg/L	80-120	7.80	OR	5.40		2.5	1	96		12/05/2023
Sulfate	mg/L	80-120	41.6	OR	28.0		15	1	91		12/05/2023
Orthophosphate as P	mg/L	80-120	7.40		0.30	U	5	1	148	*	12/05/2023

Duplicate Sample Summary

Client:	D&B Engineers and Architects, P.C.	SDG No.:	O5622
Project:	Con Edison - Atlantic Avenue #5324-E02	Sample ID:	O5622-03
Client ID:	MW-10DMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Chloride	mg/L	+/-20	97.5	OR	97.3	OR	1	0		12/05/2023
Nitrate	mg/L	+/-20	7.80	OR	7.80	OR	1	0		12/05/2023
Sulfate	mg/L	+/-20	41.8	OR	41.6	OR	1	0		12/05/2023
Orthophosphate as P	mg/L	+/-20	7.30		7.40		1	1		12/05/2023
Fluoride	mg/L	+/-20	3.10		3.20		1	3		12/05/2023
Nitrite	mg/L	+/-20	2.70		2.80		1	4		12/05/2023
Bromide	mg/L	+/-20	9.60		9.10		1	5		12/05/2023

Laboratory Control Sample Summary

Client: D&B Engineers and Architects, P.C.

SDG No.: O5622

Project: Con Edison - Atlantic Avenue #5324-E02

Run No.: LB128577

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB128577BSW							
Bromide	mg/L	10	9.90		99	1	90-110	12/05/2023
Chloride	mg/L	3	3.00		100	1	90-110	12/05/2023
Fluoride	mg/L	2	1.90		95	1	90-110	12/05/2023
Nitrite	mg/L	3	3.00		100	1	90-110	12/05/2023
Nitrate	mg/L	2.5	2.50		100	1	90-110	12/05/2023
Sulfate	mg/L	15	14.5		97	1	90-110	12/05/2023
Orthophosphate as P	mg/L	5	4.80		96	1	90-110	12/05/2023

SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number

05622
2042695

8

8.1

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: D+B Engineers + Architects
ADDRESS: 330 Crossways Park Dr
CITY: Woodbury STATE: NY ZIP: 11793
ATTENTION: Tom Fox
PHONE: 516-364-9810 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Can Ed Atlantic Ave
PROJECT NO.: 5324-E LOCATION: Brooklyn
PROJECT MANAGER: Tom Fox
e-mail: Tfoxedb-eng.com
PHONE: 516-364-9810 FAX:

CLIENT BILLING INFORMATION

BILL TO: DJB PO#:
ADDRESS: Same
CITY: ↓ ↓ STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STD TAT DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other _____
☒ EDD FORMAT _____

TCLV's 9260
TCLV's 9270
Sulfate S

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		A/E	E	E							
1.	MW-1A	GW		X	11/29	11:00	3	2		1							
2.	MW-5					11:42	3	2		1							
3.	MW-10D					12:41	3	2		1							
4.	MW-6					1:15	4	2	1	1							
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: <u>3.1</u> °C
1. <u>[Signature]</u>	<u>12/4/23: 2:42 PM</u>	<u>[Signature]</u>	Comments: <u>BL 12/6/23</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <u>[Signature]</u>		2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. <u>[Signature]</u>	<u>12-4-23</u>	3. <u>[Signature]</u>	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

From: Daniel Sassone <dsassone@db-eng.com>
Sent: Tuesday, December 05, 2023 9:51 AM
To: brandon@chemtech.net; Thomas Fox
Subject: RE: O5622 SVOC

Hi Brandon,

Just double checked there is no SVOC analysis for that sample, so please just run the VOC's and Sulfates

Thank You!



Daniel Sassone

Geologist I

330 Crossways Park Drive
Woodbury, NY 11797
P: 516-364-9890 ext. 3052
F: 516-364-9045

dsassone@db-eng.com
www.db-eng.com

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Facing Challenges. Providing Solutions.

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From: Brandon Lomax <brandon@chemtech.net>
Sent: Tuesday, December 5, 2023 9:23 AM
To: Thomas Fox <TFox@db-eng.com>; Daniel Sassone <dsassone@db-eng.com>
Subject: O5622 SVOC

Good morning,

We received the samples yesterday and as we were going through it we noticed that Sample MW-1A had a 1-Liter with it for SVOC. However the COC, see attached for reference, did not have SVOC marked off for that sample. Please advise if you want SVOC testing done on that sample.

Respectfully,

Brandon Lomax
Project Manager

CHEMTECH

284 Sheffield St. | Mountainside, NJ 07092
Direct: (908) 728-3148
Brandon@chemtech.net | www.chemtech.net

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2022022
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-23-16

Order ID : O5622 DVIR01

Order Date : 12/4/2023 2:23:00 PM

Project Mgr :

Client Name : D&B Engineers and Archite

Project Name : Con Edison - Atlantic Aven

Report Type : NYS ASP B

Client Contact : Thomas P. Fox

Receive DateTime : 12/4/2023 5:30:00 PM

EDD Type : NYSDEC EDD V-4

Invoice Name : D&B Engineers and Archite

Purchase Order :

Hard Copy Date :

Invoice Contact : Thomas P. Fox

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
O5622-01	MW-1A	Water	11/29/2023	11:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
O5622-02	~~MW-05~~	Water	11/29/2023	11:42					
	MW-5				VOCMS Group1		8260-Low	10 Bus. Days	
	BL 12/11/23								
O5622-03	MW-10D	Water	11/29/2023	12:41					
					VOCMS Group1		8260-Low	10 Bus. Days	
O5622-04	MW-6	Water	11/29/2023	01:15					
					VOCMS Group1		8260-Low	10 Bus. Days	

Relinquished By : 

Date / Time :

12/5/23 9:50Received By : 

Date / Time :

12.5.23 9:50

Storage Area : VOA Refridgerator Room

ANALYTICAL RESULTS SUMMARY

GENERAL CHEMISTRY
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : CON EDISON - ATLANTIC AVENUE #5324-E02

D&B ENGINEERS AND ARCHITECTS, P.C.

330 Crossways Park Drive

Woodbury, NY - 11797

Phone No: 516-364-9890

ORDER ID : 05829

ATTENTION : Thomas P. Fox



Laboratory Certification ID # 20012



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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-1

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-3	O5829-01	8260-Low	8270E				300.0
MW-4	O5829-02	8260-Low	8270E				300.0
MW-8	O5829-03	8260-Low	8270E				300.0
MW-7	O5829-04	8260-Low	8270E				300.0
MW-2	O5829-05	8260-Low	8270E				300.0
MW-9	O5829-06	8260-Low	8270E				300.0
MW-17	O5829-07	8260-Low	8270E				300.0
MW-16D	O5829-08	8260-Low	8270E				300.0
MW-15	O5829-09	8260-Low	8270E				300.0
MW-14	O5829-10	8260-Low	8270E				300.0
MW-12	O5829-11	8260-Low	8270E				300.0
MW-13D	O5829-12	8260-Low	8270E				300.0
FIELD-BLANK-1	O5829-13	8260-Low	8270E				300.0
TB-1	O5829-14	8260-Low	8270E				300.0

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
O5829-01	Water	12/12/23	12/13/23	12/14/23	12/19/23
O5829-02	Water	12/12/23	12/13/23	12/14/23	12/16/23
O5829-05	Water	12/12/23	12/13/23	12/14/23	12/16/23
O5829-10	Water	12/13/23	12/13/23	12/14/23	12/16/23
O5829-11	Water	12/13/23	12/13/23	12/14/23	12/15/23

* Details For Test : SVOCMS Group1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
O5829-01	Water	12/12/23	12/13/23		12/14/23
O5829-02	Water	12/12/23	12/13/23		12/14/23
O5829-03	Water	12/12/23	12/13/23		12/14/23
O5829-04	Water	12/12/23	12/13/23		12/14/23
O5829-05	Water	12/12/23	12/13/23		12/15/23
O5829-06	Water	12/12/23	12/13/23		12/14/23
O5829-07	Water	12/13/23	12/13/23		12/14/23
O5829-08	Water	12/13/23	12/13/23		12/14/23
O5829-09	Water	12/13/23	12/13/23		12/14/23
O5829-10	Water	12/13/23	12/13/23		12/14/23
O5829-11	Water	12/13/23	12/13/23		12/14/23
O5829-12	Water	12/13/23	12/13/23		12/14/23
O5829-13	Water	12/13/23	12/13/23		12/14/23
O5829-14	Water	12/13/23	12/13/23		12/14/23

* Details For Test : VOCMS Group1

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
O5829-01	Water	8260-Low	5030		
O5829-02	Water	8260-Low	5030		
O5829-03	Water	8260-Low	5030		
O5829-04	Water	8260-Low	5030		
O5829-05	Water	8260-Low	5030		
O5829-06	Water	8260-Low	5030		
O5829-07	Water	8260-Low	5030		
O5829-08	Water	8260-Low	5030		
O5829-09	Water	8260-Low	5030		
O5829-10	Water	8260-Low	5030		
O5829-11	Water	8260-Low	5030		
O5829-12	Water	8260-Low	5030		
O5829-13	Water	8260-Low	5030		
O5829-14	Water	8260-Low	5030		

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
O5829-01	Water	8270E	NA		
O5829-02	Water	8270E	NA		
O5829-05	Water	8270E	NA		
O5829-10	Water	8270E	NA		
O5829-11	Water	8270E	NA		

Cover Page

Order ID : O5829

Project ID : Con Edison - Atlantic Avenue #5324-E02

Client : D&B Engineers and Architects, P.C.

Lab Sample Number

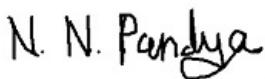
O5829-01
O5829-02
O5829-03
O5829-04
O5829-05
O5829-06
O5829-07
O5829-08
O5829-09
O5829-10
O5829-11
O5829-12
O5829-13
O5829-14

Client Sample Number

MW-3
MW-4
MW-8
MW-7
MW-2
MW-9
MW-17
MW-16D
MW-15
MW-14
MW-12
MW-13D
FIELD-BLANK-1
TB-1

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :



APPROVED

By Nimisha Pandya QA/QC Supervisor at 11:36 am, Dec 28, 2023

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

D&B Engineers and Architects, P.C.

Project Name: Con Edison - Atlantic Avenue #5324-E02

Project # N/A

Chemtech Project # O5829

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

14 Water samples were received on 12/13/2023.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Anions Group1, SVOCMS Group1 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82N121223W.M) for this compound is Chloromethane is passing on Quadratic Regression.

The %RSD is greater than 15% in the Initial Calibration method (82X121323W.M) for Acetone this compound is passing on Quadratic Regression.

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

Sample MW-2 was diluted due to high concentration.

E. Additional Comments:

The Sample #MW-3, MW-8 ,MW-9 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

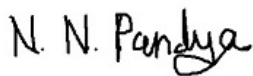
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

**APPROVED***By Nimisha Pandya QA/QC Supervisor at 11:37 am, Dec 28, 2023*

CASE NARRATIVE

D&B Engineers and Architects, P.C.

Project Name: Con Edison - Atlantic Avenue #5324-E02

Project # N/A

Chemtech Project # O5829

Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:

14 Water samples were received on 12/13/2023.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Anions Group1, SVOCMS Group1 and VOCMS Group1. This data package contains results for SVOCMS Group1.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GG. The analysis of SVOCMS Group1 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate for {PB157801BSD} with File ID: BF136613.D met requirements for all samples except for Hexachloroethane[75%] is failing marginally low therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 15% in the Initial Calibration method (Method 8270-BF120523.M) for Benzaldehyde, this compound is passing on Quadratic regression.

The % RSD is greater than 15% in the Initial Calibration method (Method 8270-BG012723.M) for Atrazine, this compound is passing is passing on Quadratic regression.

The Continuous Calibration File ID BF136607.D met the requirements except for 2,2-oxybis(1-Chloropropane) is failing marginally low therefore no corrective action taken.

The Continuous Calibration File ID BG060029.D met the requirements except for 2,4-Dinitrophenol and 4-Nitrophenol but no positive hits in associated sample therefore no corrective action taken.

The Continuous Calibration File ID BG060046.D met the requirements except for 2,2-oxybis(1-Chloropropane), 2,4-Dinitrophenol, 2-Nitroaniline, 3-Nitroaniline, 4-Nitrophenol, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Caprolactam, Di-n-octyl phthalate, Hexachlorocyclopentadiene and Pentachlorophenol but no positive hits in associated samples therefore no corrective action taken.

The Continuous Calibration File ID BG060082.D met the requirements except for bis(2-Chloroethyl)ether marginally low also 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2-Nitroaniline, 4,6-Dinitro-2-methylphenol, Hexachlorobutadiene and 2,4,6-Tribromophenol but no positive hits in associated samples therefore no corrective action taken.

The Continuous Calibration File ID BG060104.D met the requirements except for 2-Fluorophenol, bis(2-Chloroethyl)ether, 2,3,4,6-Tetrachlorophenol, 2,4-Dimethylphenol, 2-Nitroaniline, 4-Chlorophenyl-phenylether, Hexachlorobutadiene, Hexachlorocyclopentadiene, 2,4,6-Tribromophenol only dilution sample run under this ccal and dilution not required for effected compounds therefore no corrective action taken.

The Tuning criteria met requirements.

Samples MW-2, MW-14 and MW-14DL were diluted due to high concentrations.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

Less volume was taken for sample # MW-14 at the extraction due to Limited volume received.

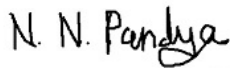
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

**APPROVED***By Nimisha Pandya QA/QC Supervisor at 11:37 am, Dec 28, 2023*

CASE NARRATIVE**D&B Engineers and Architects, P.C.****Project Name: Con Edison - Atlantic Avenue #5324-E02****Project # N/A****Chemtech Project # O5829****Test Name: Anions Group1****A. Number of Samples and Date of Receipt:**

14 Water samples were received on 12/13/2023.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Anions Group1, SVOCMS Group1 and VOCMS Group1. This data package contains results for Anions Group1.

C. Analytical Techniques:

The analysis of Anions Group1 was based on method 300.0.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample MW-3 was diluted due to high concentrations for Sulfate & Sample MW-7 was diluted due to high concentrations for Sulfate & Sample MW-9 was diluted due to high concentrations for Sulfate & Sample MW-15 was diluted due to high concentrations for Sulfate.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 11:38 am, Dec 28, 2023

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: O5829

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

1st Level QA Review Signature: SOHIL JODHANI

Date: 12/27/2023

2nd Level QA Review Signature:

N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 11:38 am, Dec 28, 2023

LAB CHRONICLE

OrderID:	O5829	OrderDate:	12/13/2023 4:53:00 PM
Client:	D&B Engineers and Architects, P.C.	Project:	Con Edison - Atlantic Avenue #5324-E02
Contact:	Thomas P. Fox	Location:	L11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
05829-01	MW-3	Water	VOCMS Group1	8260-Low	12/12/23		12/14/23	12/13/23
05829-02	MW-4	Water	VOCMS Group1	8260-Low	12/12/23		12/14/23	12/13/23
05829-03	MW-8	Water	VOCMS Group1	8260-Low	12/12/23		12/14/23	12/13/23
05829-04	MW-7	Water	VOCMS Group1	8260-Low	12/12/23		12/14/23	12/13/23
05829-05	MW-2	Water	VOCMS Group1	8260-Low	12/12/23		12/15/23	12/13/23
05829-05DL	MW-2DL	Water	VOCMS Group1	8260-Low	12/12/23		12/15/23	12/13/23
05829-06	MW-9	Water	VOCMS Group1	8260-Low	12/12/23		12/14/23	12/13/23
05829-07	MW-17	Water	VOCMS Group1	8260-Low	12/13/23		12/14/23	12/13/23
05829-08	MW-16D	Water	VOCMS Group1	8260-Low	12/13/23		12/14/23	12/13/23
05829-09	MW-15	Water	VOCMS Group1	8260-Low	12/13/23		12/14/23	12/13/23
05829-10	MW-14	Water	VOCMS Group1	8260-Low	12/13/23		12/14/23	12/13/23
05829-11	MW-12	Water	VOCMS Group1	8260-Low	12/13/23		12/14/23	12/13/23



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

O5829-12	MW-13D	Water	VOCMS Group1	8260-Low	12/13/23	12/14/23	12/13/23
O5829-13	FIELD-BLANK-1	Water	VOCMS Group1	8260-Low	12/13/23	12/14/23	12/13/23
O5829-14	TB-1	Water	VOCMS Group1	8260-Low	12/13/23	12/14/23	12/13/23

Hit Summary Sheet SW-846

SDG No.: O5829

Client: D&B Engineers and Architects, P.C.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW-3							
O5829-01	MW-3	Water	Chloroform	9.50		0.14	1.00	ug/L
O5829-01	MW-3	Water	Methylcyclohexane	0.82	J	0.16	1.00	ug/L
O5829-01	MW-3	Water	Benzene	0.27	J	0.12	1.00	ug/L
O5829-01	MW-3	Water	Toluene	15.9		0.14	1.00	ug/L
O5829-01	MW-3	Water	Tetrachloroethene	0.76	J	0.17	1.00	ug/L
O5829-01	MW-3	Water	Ethyl Benzene	45.1		0.13	1.00	ug/L
O5829-01	MW-3	Water	m/p-Xylenes	80.3		0.31	2.00	ug/L
O5829-01	MW-3	Water	o-Xylene	27.8		0.15	1.00	ug/L
O5829-01	MW-3	Water	Isopropylbenzene	2.60		0.13	1.00	ug/L
Total Voc :				183				
O5829-01	MW-3	Water	Azulene	* 29.7	J	0	0	ug/L
O5829-01	MW-3	Water	Benzene, 1,2,3,4-tetramethyl-	* 6.70	J	0	0	ug/L
O5829-01	MW-3	Water	Indane	* 30.7	J	0	0	ug/L
O5829-01	MW-3	Water	Benzene, 1-ethyl-2-methyl-	* 27.9	J	0	0	ug/L
O5829-01	MW-3	Water	Benzene, 1-ethyl-4-methyl-	* 20.6	J	0	0	ug/L
O5829-01	MW-3	Water	Indan, 1-methyl-	* 8.20	J	0	0	ug/L
O5829-01	MW-3	Water	1H-Indene, 2,3-dihydro-5-meth	* 12.7	J	0	0	ug/L
O5829-01	MW-3	Water	Benzene, 1-ethyl-2,4-dimethyl-	* 6.80	J	0	0	ug/L
O5829-01	MW-3	Water	Sulfur dioxide	* 8.00	J	0	0	ug/L
O5829-01	MW-3	Water	n-propylbenzene	* 5.40	J	0.15	1.00	ug/L
O5829-01	MW-3	Water	1,3,5-Trimethylbenzene	* 12.1	J	0.17	1.00	ug/L
O5829-01	MW-3	Water	1,2,4-Trimethylbenzene	* 68.4	J	0.16	1.00	ug/L
O5829-01	MW-3	Water	sec-Butylbenzene	* 0.29	J	0.16	1.00	ug/L
Total Tics :				237				
Total Concentration:				421				
Client ID:	MW-4							
O5829-02	MW-4	Water	Chloroform	0.85	J	0.14	1.00	ug/L
O5829-02	MW-4	Water	Toluene	0.31	J	0.14	1.00	ug/L
O5829-02	MW-4	Water	Tetrachloroethene	0.26	J	0.17	1.00	ug/L
O5829-02	MW-4	Water	Ethyl Benzene	0.90	J	0.13	1.00	ug/L
O5829-02	MW-4	Water	m/p-Xylenes	1.70	J	0.31	2.00	ug/L
O5829-02	MW-4	Water	o-Xylene	0.55	J	0.15	1.00	ug/L
Total Voc :				4.57				
O5829-02	MW-4	Water	1,3,5-Trimethylbenzene	* 0.23	J	0.17	1.00	ug/L
O5829-02	MW-4	Water	1,2,4-Trimethylbenzene	* 1.10	J	0.16	1.00	ug/L
Total Tics :				1.33				
Total Concentration:				5.90				

Hit Summary Sheet SW-846

SDG No.: O5829
Client: D&B Engineers and Architects, P.C.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW-8							
O5829-03	MW-8	Water	Sulfur dioxide	* 6.70	J	0	0	ug/L
O5829-03	MW-8	Water	1,2,4-Trimethylbenzene	* 0.39	J	0.16	1.00	ug/L
			Total Tics :	7.09				
			Total Concentration:	7.09				
Client ID:	MW-7							
O5829-04	MW-7	Water	Chloroform	0.82	J	0.14	1.00	ug/L
O5829-04	MW-7	Water	Tetrachloroethene	0.41	J	0.17	1.00	ug/L
			Total Voc :	1.23				
			Total Concentration:	1.23				
Client ID:	MW-2							
O5829-05	MW-2	Water	Acetone	160		1.20	5.00	ug/L
O5829-05	MW-2	Water	Cyclohexane	31.7		1.60	5.00	ug/L
O5829-05	MW-2	Water	2-Butanone	8.20		1.20	5.00	ug/L
O5829-05	MW-2	Water	Methylcyclohexane	33.5		0.16	1.00	ug/L
O5829-05	MW-2	Water	Benzene	41.8		0.12	1.00	ug/L
O5829-05	MW-2	Water	Toluene	3.40		0.14	1.00	ug/L
O5829-05	MW-2	Water	Ethyl Benzene	240	E	0.13	1.00	ug/L
O5829-05	MW-2	Water	m/p-Xylenes	320	E	0.31	2.00	ug/L
O5829-05	MW-2	Water	o-Xylene	7.70		0.15	1.00	ug/L
O5829-05	MW-2	Water	Isopropylbenzene	24.8		0.13	1.00	ug/L
			Total Voc :	871				
O5829-05	MW-2	Water	unknown5.347	* 24.9	J	0	0	ug/L
O5829-05	MW-2	Water	Pentane, 3-methyl-	* 38.4	J	0	0	ug/L
O5829-05	MW-2	Water	Cyclopentane, methyl-	* 42.7	J	0	0	ug/L
O5829-05	MW-2	Water	Azulene	* 34.3	J	0	0	ug/L
O5829-05	MW-2	Water	Indane	* 76.0	J	0	0	ug/L
O5829-05	MW-2	Water	Benzene, 1-ethyl-2-methyl-	* 35.2	J	0	0	ug/L
O5829-05	MW-2	Water	1,4-Pentadiene, 2,3,3-trimethyl-	* 21.0	J	0	0	ug/L
O5829-05	MW-2	Water	Benzene, 2-ethyl-1,4-dimethyl-	* 21.5	J	0	0	ug/L
O5829-05	MW-2	Water	Benzene, 1-ethenyl-4-ethyl-	* 34.4	J	0	0	ug/L
O5829-05	MW-2	Water	Benzene, 1-ethenyl-3-ethyl-	* 21.2	J	0	0	ug/L
O5829-05	MW-2	Water	n-propylbenzene	* 47.1	J	0.15	1.00	ug/L
O5829-05	MW-2	Water	1,3,5-Trimethylbenzene	* 100	J	0.17	1.00	ug/L
O5829-05	MW-2	Water	1,2,4-Trimethylbenzene	* 390	J	0.16	1.00	ug/L
O5829-05	MW-2	Water	sec-Butylbenzene	* 3.70	J	0.16	1.00	ug/L
O5829-05	MW-2	Water	p-Isopropyltoluene	* 1.90	J	0.16	1.00	ug/L
O5829-05	MW-2	Water	n-Butylbenzene	* 5.80	J	0.24	1.00	ug/L
			Total Tics :	898				

Hit Summary Sheet SW-846

SDG No.: O5829
Client: D&B Engineers and Architects, P.C.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				1770				
Client ID:	MW-2DL							
O5829-05DL	MW-2DL	Water	Acetone	130	D	5.80	25.0	ug/L
O5829-05DL	MW-2DL	Water	Cyclohexane	27.8	D	8.00	25.0	ug/L
O5829-05DL	MW-2DL	Water	Methylcyclohexane	24.5	D	0.80	5.00	ug/L
O5829-05DL	MW-2DL	Water	Benzene	37.1	D	0.60	5.00	ug/L
O5829-05DL	MW-2DL	Water	Toluene	3.10	JD	0.70	5.00	ug/L
O5829-05DL	MW-2DL	Water	Ethyl Benzene	200	D	0.65	5.00	ug/L
O5829-05DL	MW-2DL	Water	m/p-Xylenes	280	D	1.60	10.0	ug/L
O5829-05DL	MW-2DL	Water	o-Xylene	6.90	D	0.75	5.00	ug/L
O5829-05DL	MW-2DL	Water	Isopropylbenzene	18.4	D	0.65	5.00	ug/L
Total Voc :				728				
Total Concentration:				728				
Client ID:	MW-9							
O5829-06	MW-9	Water	Chloroform	1.10		0.14	1.00	ug/L
O5829-06	MW-9	Water	Tetrachloroethene	0.62	J	0.17	1.00	ug/L
O5829-06	MW-9	Water	Ethyl Benzene	0.92	J	0.13	1.00	ug/L
O5829-06	MW-9	Water	m/p-Xylenes	1.40	J	0.31	2.00	ug/L
Total Voc :				4.04				
O5829-06	MW-9	Water	n-propylbenzene	* 0.28	J	0.15	1.00	ug/L
O5829-06	MW-9	Water	1,3,5-Trimethylbenzene	* 0.61	J	0.17	1.00	ug/L
O5829-06	MW-9	Water	1,2,4-Trimethylbenzene	* 2.20	J	0.16	1.00	ug/L
O5829-06	MW-9	Water	sec-Butylbenzene	* 0.30	J	0.16	1.00	ug/L
Total Tics :				3.39				
Total Concentration:				7.43				
Client ID:	MW-17							
O5829-07	MW-17	Water	Chloroform	29.2		0.14	1.00	ug/L
O5829-07	MW-17	Water	Tetrachloroethene	0.60	J	0.17	1.00	ug/L
Total Voc :				29.8				
O5829-07	MW-17	Water	1,2,4-Trimethylbenzene	* 0.34	J	0.16	1.00	ug/L
Total Tics :				0.34				
Total Concentration:				30.1				
Client ID:	MW-16D							
O5829-08	MW-16D	Water	Chloroform	8.40		0.14	1.00	ug/L
O5829-08	MW-16D	Water	Tetrachloroethene	1.40		0.17	1.00	ug/L
Total Voc :				9.80				
O5829-08	MW-16D	Water	Sulfur dioxide	* 8.10	J	0	0	ug/L
O5829-08	MW-16D	Water	1,2,4-Trimethylbenzene	* 0.36	J	0.16	1.00	ug/L
Total Tics :				8.46				
Total Concentration:				18.3				

Hit Summary Sheet SW-846

SDG No.: O5829
Client: D&B Engineers and Architects, P.C.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: MW-15								
O5829-09	MW-15	Water	Chloroform	9.20		0.14	1.00	ug/L
O5829-09	MW-15	Water	Tetrachloroethene	1.10		0.17	1.00	ug/L
			Total Voc :	10.3				
			Total Concentration:	10.3				
Client ID: MW-14								
O5829-10	MW-14	Water	Cyclohexane	4.10	J	1.60	5.00	ug/L
O5829-10	MW-14	Water	Methylcyclohexane	6.00		0.16	1.00	ug/L
O5829-10	MW-14	Water	Benzene	0.52	J	0.12	1.00	ug/L
O5829-10	MW-14	Water	Toluene	0.44	J	0.14	1.00	ug/L
O5829-10	MW-14	Water	Ethyl Benzene	10.0		0.13	1.00	ug/L
O5829-10	MW-14	Water	m/p-Xylenes	0.76	J	0.31	2.00	ug/L
O5829-10	MW-14	Water	o-Xylene	3.00		0.15	1.00	ug/L
O5829-10	MW-14	Water	Styrene	0.88	J	0.13	1.00	ug/L
O5829-10	MW-14	Water	Isopropylbenzene	57.2		0.13	1.00	ug/L
			Total Voc :	82.9				
O5829-10	MW-14	Water	Benzocycloheptatriene	* 330	J	0	0	ug/L
O5829-10	MW-14	Water	Azulene	* 1400	J	0	0	ug/L
O5829-10	MW-14	Water	Indane	* 290	J	0	0	ug/L
O5829-10	MW-14	Water	o-Cymene	* 97.2	J	0	0	ug/L
O5829-10	MW-14	Water	Benzene, 1-ethyl-2-methyl-	* 110	J	0	0	ug/L
O5829-10	MW-14	Water	1H-Indene, 1-methyl-	* 300	J	0	0	ug/L
O5829-10	MW-14	Water	2-Methylindene	* 78.4	J	0	0	ug/L
O5829-10	MW-14	Water	1,4-Methanonaphthalene, 1,4-d	* 250	J	0	0	ug/L
O5829-10	MW-14	Water	Benzene, 1-ethenyl-3-ethyl-	* 140	J	0	0	ug/L
O5829-10	MW-14	Water	n-propylbenzene	* 50.7	J	0.15	1.00	ug/L
O5829-10	MW-14	Water	1,3,5-Trimethylbenzene	* 14.4	J	0.17	1.00	ug/L
O5829-10	MW-14	Water	1,2,4-Trimethylbenzene	* 350	J	0.16	1.00	ug/L
O5829-10	MW-14	Water	sec-Butylbenzene	* 3.40	J	0.16	1.00	ug/L
O5829-10	MW-14	Water	p-Isopropyltoluene	* 11.5	J	0.16	1.00	ug/L
			Total Tics :	3430				
			Total Concentration:	3510				
Client ID: MW-12								
O5829-11	MW-12	Water	Methyl tert-butyl Ether	28.7		0.14	1.00	ug/L
O5829-11	MW-12	Water	trans-1,2-Dichloroethene	0.47	J	0.17	1.00	ug/L
O5829-11	MW-12	Water	cis-1,2-Dichloroethene	0.71	J	0.20	1.00	ug/L
O5829-11	MW-12	Water	Methylcyclohexane	2.20		0.16	1.00	ug/L
O5829-11	MW-12	Water	Benzene	82.7		0.12	1.00	ug/L
O5829-11	MW-12	Water	Trichloroethene	7.00		0.26	1.00	ug/L

Hit Summary Sheet SW-846

SDG No.: O5829
Client: D&B Engineers and Architects, P.C.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5829-11	MW-12	Water	Toluene	1.40		0.14	1.00	ug/L
O5829-11	MW-12	Water	Tetrachloroethene	0.26	J	0.17	1.00	ug/L
O5829-11	MW-12	Water	Ethyl Benzene	73.8		0.13	1.00	ug/L
O5829-11	MW-12	Water	m/p-Xylenes	8.50		0.31	2.00	ug/L
O5829-11	MW-12	Water	o-Xylene	15.7		0.15	1.00	ug/L
O5829-11	MW-12	Water	Isopropylbenzene	13.0		0.13	1.00	ug/L
Total Voc :				234				
O5829-11	MW-12	Water	Benzene, 1,2,4,5-tetramethyl-	* 63.9	J	0	0	ug/L
O5829-11	MW-12	Water	Naphthalene, 2,3-dimethyl-	* 56.1	J	0	0	ug/L
O5829-11	MW-12	Water	Benzene, 1-ethyl-2-methyl-	* 97.3	J	0	0	ug/L
O5829-11	MW-12	Water	Benzene, 1-ethenyl-2-methyl-	* 84.7	J	0	0	ug/L
O5829-11	MW-12	Water	1H-Indene, 1-methyl-	* 73.3	J	0	0	ug/L
O5829-11	MW-12	Water	1H-Indene, 1-methylene-	* 160	J	0	0	ug/L
O5829-11	MW-12	Water	1,4-Methanonaphthalene, 1,4-d	* 210	J	0	0	ug/L
O5829-11	MW-12	Water	Benzene, 1-ethenyl-3-ethyl-	* 69.7	J	0	0	ug/L
O5829-11	MW-12	Water	Benzene, (1-methyl-2-cyclopro	* 130	J	0	0	ug/L
O5829-11	MW-12	Water	n-propylbenzene	* 7.70	J	0.15	1.00	ug/L
O5829-11	MW-12	Water	1,3,5-Trimethylbenzene	* 5.10	J	0.17	1.00	ug/L
O5829-11	MW-12	Water	1,2,4-Trimethylbenzene	* 43.7	J	0.16	1.00	ug/L
O5829-11	MW-12	Water	sec-Butylbenzene	* 2.00	J	0.16	1.00	ug/L
O5829-11	MW-12	Water	p-Isopropyltoluene	* 0.82	J	0.16	1.00	ug/L
Total Tics :				1000				
Total Concentration:				1240				
Client ID:	MW-13D							
O5829-12	MW-13D	Water	Chloroform	0.63	J	0.14	1.00	ug/L
O5829-12	MW-13D	Water	Benzene	1.30		0.12	1.00	ug/L
O5829-12	MW-13D	Water	Tetrachloroethene	0.85	J	0.17	1.00	ug/L
O5829-12	MW-13D	Water	Ethyl Benzene	2.20		0.13	1.00	ug/L
O5829-12	MW-13D	Water	m/p-Xylenes	0.38	J	0.31	2.00	ug/L
O5829-12	MW-13D	Water	o-Xylene	0.44	J	0.15	1.00	ug/L
O5829-12	MW-13D	Water	Isopropylbenzene	0.49	J	0.13	1.00	ug/L
Total Voc :				6.29				
O5829-12	MW-13D	Water	Benzocycloheptatriene	* 13.2	J	0	0	ug/L
O5829-12	MW-13D	Water	Azulene	* 16.0	J	0	0	ug/L
O5829-12	MW-13D	Water	Hexa-2,4-diyn-1-ylbenzene	* 5.80	J	0	0	ug/L
O5829-12	MW-13D	Water	Naphthalene, 2,3-dimethyl-	* 6.40	J	0	0	ug/L
O5829-12	MW-13D	Water	1H-Indene, 1-methyl-	* 5.20	J	0	0	ug/L
O5829-12	MW-13D	Water	Sulfur dioxide	* 9.50	J	0	0	ug/L

Hit Summary Sheet

SW-846

SDG No.: O5829

Client: D&B Engineers and Architects, P.C.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5829-12	MW-13D	Water	n-propylbenzene	* 0.38	J	0.15	1.00	ug/L
O5829-12	MW-13D	Water	1,3,5-Trimethylbenzene	* 0.22	J	0.17	1.00	ug/L
O5829-12	MW-13D	Water	1,2,4-Trimethylbenzene	* 2.40	J	0.16	1.00	ug/L
Total Tics :				59.1				
Total Concentration:				65.4				
Client ID:	FIELD-BLANK-1							
O5829-13	FIELD-BLANK-1	Water	Methylene Chloride	2.10		0.50	1.00	ug/L
Total Voc :				2.10				
Total Concentration:				2.10				

SAMPLE DATA

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-3	SDG No.:	O5829
Lab Sample ID:	O5829-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039216.D	1		12/14/23 18:14	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	9.50		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	0.82	J	0.16	1.00	ug/L
71-43-2	Benzene	0.27	J	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	15.9		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-3	SDG No.:	O5829
Lab Sample ID:	O5829-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039216.D	1		12/14/23 18:14	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	0.76	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	45.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	80.3		0.31	2.00	ug/L
95-47-6	o-Xylene	27.8		0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	2.60		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		64 - 133	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	109000	5.55			
540-36-3	1,4-Difluorobenzene	229000	6.763			
3114-55-4	Chlorobenzene-d5	235000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	122000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	8.00	J		1.25	ug/L
103-65-1	n-propylbenzene	5.40	J		11.3	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	27.9	J		11.4	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-3	SDG No.:	O5829
Lab Sample ID:	O5829-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039216.D	1		12/14/23 18:14	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	12.1	J		11.5	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	20.6	J		11.6	ug/L
95-63-6	1,2,4-Trimethylbenzene	68.4	J		11.8	ug/L
135-98-8	sec-Butylbenzene	0.29	J		11.9	ug/L
000496-11-7	Indane	30.7	J		12.2	ug/L
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	6.80	J		12.6	ug/L
000767-58-8	Indan, 1-methyl-	8.20	J		12.7	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	6.70	J		13.0	ug/L
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	12.7	J		13.3	ug/L
000275-51-4	Azulene	29.7	J		13.8	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-4	SDG No.:	O5829
Lab Sample ID:	O5829-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039207.D	1		12/14/23 14:48	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	0.85	J	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	0.31	J	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-4	SDG No.:	O5829
Lab Sample ID:	O5829-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039207.D	1		12/14/23 14:48	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	0.26	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.90	J	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	1.70	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.55	J	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	50.1		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		64 - 133	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	106000	5.55			
540-36-3	1,4-Difluorobenzene	219000	6.763			
3114-55-4	Chlorobenzene-d5	230000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	116000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
108-67-8	1,3,5-Trimethylbenzene	0.23	J		11.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.10	J		11.8	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-4	SDG No.:	O5829
Lab Sample ID:	O5829-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039207.D	1		12/14/23 14:48	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-8	SDG No.:	O5829
Lab Sample ID:	O5829-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039217.D	1		12/14/23 18:37	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-8	SDG No.:	O5829
Lab Sample ID:	O5829-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039217.D	1		12/14/23 18:37	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	49.4		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		64 - 133	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	112000	5.55			
540-36-3	1,4-Difluorobenzene	232000	6.763			
3114-55-4	Chlorobenzene-d5	243000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	124000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	6.70	J		1.25	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.39	J		11.8	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-8	SDG No.:	O5829
Lab Sample ID:	O5829-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039217.D	1		12/14/23 18:37	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/12/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/13/23	
Client Sample ID:	MW-7		SDG No.:	O5829	
Lab Sample ID:	O5829-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039208.D	1		12/14/23 15:11	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	0.82	J	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-7	SDG No.:	O5829
Lab Sample ID:	O5829-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039208.D	1		12/14/23 15:11	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	0.41	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	49.5		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		64 - 133	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	111000	5.55			
540-36-3	1,4-Difluorobenzene	227000	6.757			
3114-55-4	Chlorobenzene-d5	236000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	117000	12.024			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-7	SDG No.:	O5829
Lab Sample ID:	O5829-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039208.D	1		12/14/23 15:11	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/12/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/13/23	
Client Sample ID:	MW-2		SDG No.:	O5829	
Lab Sample ID:	O5829-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080500.D	1		12/15/23 14:00	VN121523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	160		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	31.7		1.60	5.00	ug/L
78-93-3	2-Butanone	8.20		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	33.5		0.16	1.00	ug/L
71-43-2	Benzene	41.8		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	3.40		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-2	SDG No.:	O5829
Lab Sample ID:	O5829-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080500.D	1		12/15/23 14:00	VN121523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	240	E	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	320	E	0.31	2.00	ug/L
95-47-6	o-Xylene	7.70		0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	24.8		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	48.2		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		64 - 133	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	214000	8.224			
540-36-3	1,4-Difluorobenzene	392000	9.1			
3114-55-4	Chlorobenzene-d5	394000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	180000	13.794			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown5.347	24.9	J		5.35	ug/L
000096-14-0	Pentane, 3-methyl-	38.4	J		5.81	ug/L
000096-37-7	Cyclopentane, methyl-	42.7	J		7.33	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-2	SDG No.:	O5829
Lab Sample ID:	O5829-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080500.D	1		12/15/23 14:00	VN121523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000756-02-5	1,4-Pentadiene, 2,3,3-trimethyl-	21.0	J		11.0	ug/L
103-65-1	n-propylbenzene	47.1	J		13.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	100	J		13.2	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	35.2	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	390	J		13.5	ug/L
135-98-8	sec-Butylbenzene	3.70	J		13.6	ug/L
99-87-6	p-Isopropyltoluene	1.90	J		13.7	ug/L
000496-11-7	Indane	76.0	J		14.0	ug/L
104-51-8	n-Butylbenzene	5.80	J		14.1	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	21.5	J		14.3	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	21.2	J		14.4	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	34.4	J		15.1	ug/L
000275-51-4	Azulene	34.3	J		15.6	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-2DL	SDG No.:	O5829
Lab Sample ID:	O5829-05DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080501.D	5		12/15/23 14:24	VN121523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	UD	0.70	5.00	ug/L
74-87-3	Chloromethane	5.00	UD	1.30	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	UD	1.30	5.00	ug/L
74-83-9	Bromomethane	25.0	UD	7.80	25.0	ug/L
75-00-3	Chloroethane	5.00	UD	1.40	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	0.65	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UD	1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	UD	1.10	5.00	ug/L
67-64-1	Acetone	130	D	5.80	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	UD	1.40	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	0.70	5.00	ug/L
79-20-9	Methyl Acetate	5.00	UD	1.80	5.00	ug/L
75-09-2	Methylene Chloride	5.00	UD	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	0.85	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	0.80	5.00	ug/L
110-82-7	Cyclohexane	27.8	D	8.00	25.0	ug/L
78-93-3	2-Butanone	25.0	UD	6.10	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	0.65	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	UD	1.00	5.00	ug/L
74-97-5	Bromochloromethane	5.00	UD	0.70	5.00	ug/L
67-66-3	Chloroform	5.00	UD	0.70	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	0.70	5.00	ug/L
108-87-2	Methylcyclohexane	24.5	D	0.80	5.00	ug/L
71-43-2	Benzene	37.1	D	0.60	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	0.80	5.00	ug/L
79-01-6	Trichloroethene	5.00	UD	1.30	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	0.75	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	UD	0.75	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	3.70	25.0	ug/L
108-88-3	Toluene	3.10	JD	0.70	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	5.00	UD	0.85	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	0.75	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-2DL	SDG No.:	O5829
Lab Sample ID:	O5829-05DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080501.D	5		12/15/23 14:24	VN121523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.00	UD	0.65	5.00	ug/L
591-78-6	2-Hexanone	25.0	UD	4.90	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	UD	0.75	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	0.65	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	UD	0.85	5.00	ug/L
108-90-7	Chlorobenzene	5.00	UD	0.60	5.00	ug/L
100-41-4	Ethyl Benzene	200	D	0.65	5.00	ug/L
179601-23-1	m/p-Xylenes	280	D	1.60	10.0	ug/L
95-47-6	o-Xylene	6.90	D	0.75	5.00	ug/L
100-42-5	Styrene	5.00	UD	0.65	5.00	ug/L
75-25-2	Bromoform	5.00	UD	0.75	5.00	ug/L
98-82-8	Isopropylbenzene	18.4	D	0.65	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	0.75	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	1.20	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	1.20	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	0.85	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	UD	2.20	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	2.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	UD	2.80	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		74 - 125	103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	48.6		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		64 - 133	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	8.224			
540-36-3	1,4-Difluorobenzene	435000	9.106			
3114-55-4	Chlorobenzene-d5	445000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	213000	13.794			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-2DL	SDG No.:	O5829
Lab Sample ID:	O5829-05DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080501.D	5		12/15/23 14:24	VN121523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/12/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/13/23	
Client Sample ID:	MW-9		SDG No.:	O5829	
Lab Sample ID:	O5829-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039209.D	1		12/14/23 15:34	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.10		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-9	SDG No.:	O5829
Lab Sample ID:	O5829-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039209.D	1		12/14/23 15:34	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	0.62	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.92	J	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	1.40	J	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	49.7		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		64 - 133	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	106000	5.55			
540-36-3	1,4-Difluorobenzene	216000	6.757			
3114-55-4	Chlorobenzene-d5	228000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	116000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						
103-65-1	n-propylbenzene	0.28	J		11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.61	J		11.4	ug/L
95-63-6	1,2,4-Trimethylbenzene	2.20	J		11.8	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/13/23
Client Sample ID:	MW-9		SDG No.:	O5829
Lab Sample ID:	O5829-06		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039209.D	1		12/14/23 15:34	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
135-98-8	sec-Butylbenzene	0.30	J		11.9	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/13/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/13/23	
Client Sample ID:	MW-17		SDG No.:	O5829	
Lab Sample ID:	O5829-07		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039210.D	1		12/14/23 15:57	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	29.2		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-17	SDG No.:	O5829
Lab Sample ID:	O5829-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039210.D	1		12/14/23 15:57	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	0.60	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	47.7		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		64 - 133	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	106000	5.55			
540-36-3	1,4-Difluorobenzene	220000	6.763			
3114-55-4	Chlorobenzene-d5	228000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	114000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						
95-63-6	1,2,4-Trimethylbenzene	0.34	J		11.8	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-17	SDG No.:	O5829
Lab Sample ID:	O5829-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039210.D	1		12/14/23 15:57	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-16D	SDG No.:	O5829
Lab Sample ID:	O5829-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039215.D	1		12/14/23 17:51	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	8.40		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-16D	SDG No.:	O5829
Lab Sample ID:	O5829-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039215.D	1		12/14/23 17:51	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.40		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	49.4		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		64 - 133	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	106000	5.549			
540-36-3	1,4-Difluorobenzene	223000	6.757			
3114-55-4	Chlorobenzene-d5	230000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	117000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	8.10	J		1.25	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.36	J		11.8	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-16D	SDG No.:	O5829
Lab Sample ID:	O5829-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039215.D	1		12/14/23 17:51	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-15	SDG No.:	O5829
Lab Sample ID:	O5829-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039211.D	1		12/14/23 16:19	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	9.20		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-15	SDG No.:	O5829
Lab Sample ID:	O5829-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039211.D	1		12/14/23 16:19	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.10		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	50.0		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		64 - 133	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	109000	5.55			
540-36-3	1,4-Difluorobenzene	223000	6.757			
3114-55-4	Chlorobenzene-d5	236000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	119000	12.018			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-15	SDG No.:	O5829
Lab Sample ID:	O5829-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039211.D	1		12/14/23 16:19	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/13/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/13/23	
Client Sample ID:	MW-14		SDG No.:	O5829	
Lab Sample ID:	O5829-10		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039212.D	1		12/14/23 16:42	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	4.10	J	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	6.00		0.16	1.00	ug/L
71-43-2	Benzene	0.52	J	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	0.44	J	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-14	SDG No.:	O5829
Lab Sample ID:	O5829-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039212.D	1		12/14/23 16:42	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	10.0		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.76	J	0.31	2.00	ug/L
95-47-6	o-Xylene	3.00		0.15	1.00	ug/L
100-42-5	Styrene	0.88	J	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	57.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.5		64 - 133	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	109000	5.55			
540-36-3	1,4-Difluorobenzene	220000	6.757			
3114-55-4	Chlorobenzene-d5	232000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	123000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
103-65-1	n-propylbenzene	50.7	J		11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	14.4	J		11.5	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	110	J		11.6	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-14	SDG No.:	O5829
Lab Sample ID:	O5829-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039212.D	1		12/14/23 16:42	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-63-6	1,2,4-Trimethylbenzene	350	J		11.8	ug/L
135-98-8	sec-Butylbenzene	3.40	J		11.9	ug/L
99-87-6	p-Isopropyltoluene	11.5	J		12.0	ug/L
000496-11-7	Indane	290	J		12.2	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	140	J		12.7	ug/L
000527-84-4	o-Cymene	97.2	J		13.3	ug/L
002177-47-1	2-Methylindene	78.4	J		13.3	ug/L
000767-59-9	1H-Indene, 1-methyl-	300	J		13.4	ug/L
000275-51-4	Azulene	1400	J		13.8	ug/L
004453-90-1	1,4-Methanonaphthalene, 1,4-dihydr	250	J		14.6	ug/L
000264-09-5	Benzocycloheptatriene	330	J		14.8	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-12	SDG No.:	O5829
Lab Sample ID:	O5829-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039213.D	1		12/14/23 17:05	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	28.7		0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.47	J	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.71	J	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	2.20		0.16	1.00	ug/L
71-43-2	Benzene	82.7		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	7.00		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.40		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-12	SDG No.:	O5829
Lab Sample ID:	O5829-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039213.D	1		12/14/23 17:05	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	0.26	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	73.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	8.50		0.31	2.00	ug/L
95-47-6	o-Xylene	15.7		0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	13.0		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.6		64 - 133	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	104000	5.55			
540-36-3	1,4-Difluorobenzene	214000	6.757			
3114-55-4	Chlorobenzene-d5	225000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	117000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
103-65-1	n-propylbenzene	7.70	J		11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	5.10	J		11.5	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	97.3	J		11.6	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-12	SDG No.:	O5829
Lab Sample ID:	O5829-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039213.D	1		12/14/23 17:05	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-63-6	1,2,4-Trimethylbenzene	43.7	J		11.8	ug/L
135-98-8	sec-Butylbenzene	2.00	J		11.9	ug/L
99-87-6	p-Isopropyltoluene	0.82	J		12.0	ug/L
000611-15-4	Benzene, 1-ethenyl-2-methyl-	84.7	J		12.2	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	69.7	J		12.7	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	63.9	J		13.3	ug/L
000767-59-9	1H-Indene, 1-methyl-	73.3	J		13.3	ug/L
065051-83-4	Benzene, (1-methyl-2-cyclopropen-1	130	J		13.4	ug/L
002471-84-3	1H-Indene, 1-methylene-	160	J		13.8	ug/L
004453-90-1	1,4-Methanonaphthalene, 1,4-dihydr	210	J		14.8	ug/L
000581-40-8	Naphthalene, 2,3-dimethyl-	56.1	J		15.6	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-13D	SDG No.:	O5829
Lab Sample ID:	O5829-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039214.D	1		12/14/23 17:28	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	0.63	J	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.30		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-13D	SDG No.:	O5829
Lab Sample ID:	O5829-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039214.D	1		12/14/23 17:28	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	0.85	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	2.20		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.38	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.44	J	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	0.49	J	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	49.1		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		64 - 133	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	107000	5.549			
540-36-3	1,4-Difluorobenzene	220000	6.756			
3114-55-4	Chlorobenzene-d5	229000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	9.50	J		1.24	ug/L
103-65-1	n-propylbenzene	0.38	J		11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.22	J		11.5	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-13D	SDG No.:	O5829
Lab Sample ID:	O5829-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039214.D	1		12/14/23 17:28	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-63-6	1,2,4-Trimethylbenzene	2.40	J		11.7	ug/L
000767-59-9	1H-Indene, 1-methyl-	5.20	J		13.4	ug/L
000275-51-4	Azulene	16.0	J		13.8	ug/L
000264-09-5	Benzocycloheptatriene	13.2	J		14.8	ug/L
000581-40-8	Naphthalene, 2,3-dimethyl-	6.40	J		15.6	ug/L
000520-74-1	Hexa-2,4-dien-1-ylbenzene	5.80	J		16.3	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	FIELD-BLANK-1	SDG No.:	O5829
Lab Sample ID:	O5829-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039205.D	1		12/14/23 14:02	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	2.10		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	FIELD-BLANK-1	SDG No.:	O5829
Lab Sample ID:	O5829-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039205.D	1		12/14/23 14:02	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	47.3		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		64 - 133	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	108000	5.55			
540-36-3	1,4-Difluorobenzene	227000	6.757			
3114-55-4	Chlorobenzene-d5	235000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.018			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	FIELD-BLANK-1	SDG No.:	O5829
Lab Sample ID:	O5829-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039205.D	1		12/14/23 14:02	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	TB-1	SDG No.:	O5829
Lab Sample ID:	O5829-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039206.D	1		12/14/23 14:25	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	TB-1	SDG No.:	O5829
Lab Sample ID:	O5829-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039206.D	1		12/14/23 14:25	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	47.7		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	49.4		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		64 - 133	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	106000	5.55			
540-36-3	1,4-Difluorobenzene	217000	6.763			
3114-55-4	Chlorobenzene-d5	225000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.018			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	TB-1	SDG No.:	O5829
Lab Sample ID:	O5829-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039206.D	1		12/14/23 14:25	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SDG No.: **O5829**

Client: **D&B Engineers and Architects, P.C.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
O5829-01	MW-3	1,2-Dichloroethane-d4	50	48.3	97	74	125
		Dibromofluoromethane	50	48.1	96	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	56.3	113	64	133
O5829-02	MW-4	1,2-Dichloroethane-d4	50	48.5	97	74	125
		Dibromofluoromethane	50	48.7	97	75	124
		Toluene-d8	50	50.0	100	86	113
		4-Bromofluorobenzene	50	55.8	112	64	133
O5829-03	MW-8	1,2-Dichloroethane-d4	50	49.1	98	74	125
		Dibromofluoromethane	50	47.2	94	75	124
		Toluene-d8	50	49.4	99	86	113
		4-Bromofluorobenzene	50	56.0	112	64	133
O5829-04	MW-7	1,2-Dichloroethane-d4	50	48.3	97	74	125
		Dibromofluoromethane	50	48.1	96	75	124
		Toluene-d8	50	49.5	99	86	113
		4-Bromofluorobenzene	50	54.9	110	64	133
O5829-05	MW-2	1,2-Dichloroethane-d4	50	52.8	106	74	125
		Dibromofluoromethane	50	48.4	97	75	124
		Toluene-d8	50	48.2	96	86	113
		4-Bromofluorobenzene	50	51.6	103	64	133
O5829-05DL	MW-2DL	1,2-Dichloroethane-d4	50	51.7	103	74	125
		Dibromofluoromethane	50	48.0	96	75	124
		Toluene-d8	50	48.6	97	86	113
		4-Bromofluorobenzene	50	53.5	107	64	133
O5829-06	MW-9	1,2-Dichloroethane-d4	50	48.2	96	74	125
		Dibromofluoromethane	50	48.1	96	75	124
		Toluene-d8	50	49.7	99	86	113
		4-Bromofluorobenzene	50	56.1	112	64	133
O5829-07	MW-17	1,2-Dichloroethane-d4	50	48.4	97	74	125
		Dibromofluoromethane	50	47.7	95	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	54.7	109	64	133
O5829-08	MW-16D	1,2-Dichloroethane-d4	50	49.8	100	74	125
		Dibromofluoromethane	50	48.1	96	75	124
		Toluene-d8	50	49.4	99	86	113
		4-Bromofluorobenzene	50	54.9	110	64	133
O5829-09	MW-15	1,2-Dichloroethane-d4	50	48.7	97	74	125
		Dibromofluoromethane	50	48.3	97	75	124
		Toluene-d8	50	50.0	100	86	113
		4-Bromofluorobenzene	50	55.3	111	64	133
O5829-10	MW-14	1,2-Dichloroethane-d4	50	47.1	94	74	125
		Dibromofluoromethane	50	48.1	96	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	58.5	117	64	133
O5829-11	MW-12	1,2-Dichloroethane-d4	50	49.2	98	74	125
		Dibromofluoromethane	50	48.9	98	75	124
		Toluene-d8	50	50.2	100	86	113
		4-Bromofluorobenzene	50	58.6	117	64	133
O5829-12	MW-13D	1,2-Dichloroethane-d4	50	49.3	99	74	125
		Dibromofluoromethane	50	48.5	97	75	124
		Toluene-d8	50	49.1	98	86	113
		4-Bromofluorobenzene	50	56.5	113	64	133

Surrogate Summary

SDG No.: O5829

Client: D&B Engineers and Architects, P.C.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
O5829-13	FIELD-BLANK-1	1,2-Dichloroethane-d4	50	48.4	97	74	125
		Dibromofluoromethane	50	47.3	95	75	124
		Toluene-d8	50	49.6	99	86	113
		4-Bromofluorobenzene	50	54.7	109	64	133
O5829-14	TB-1	1,2-Dichloroethane-d4	50	48.7	97	74	125
		Dibromofluoromethane	50	47.7	95	75	124
		Toluene-d8	50	49.4	99	86	113
		4-Bromofluorobenzene	50	55.8	112	64	133
VN1215WBL01	VN1215WBL01	1,2-Dichloroethane-d4	50	57.0	114	74	125
		Dibromofluoromethane	50	51.1	102	75	124
		Toluene-d8	50	48.3	97	86	113
		4-Bromofluorobenzene	50	50.7	101	64	133
VN1215WBS01	VN1215WBS01	1,2-Dichloroethane-d4	50	55.0	110	74	125
		Dibromofluoromethane	50	54.0	108	75	124
		Toluene-d8	50	52.4	105	86	113
		4-Bromofluorobenzene	50	51.0	102	64	133
VX1214WBL01	VX1214WBL01	1,2-Dichloroethane-d4	50	47.5	95	74	125
		Dibromofluoromethane	50	48.3	97	75	124
		Toluene-d8	50	49.6	99	86	113
		4-Bromofluorobenzene	50	53.9	108	64	133
VX1214WBS01	VX1214WBS01	1,2-Dichloroethane-d4	50	50.3	101	74	125
		Dibromofluoromethane	50	49.2	98	75	124
		Toluene-d8	50	50.0	100	86	113
		4-Bromofluorobenzene	50	49.5	99	64	133
VX1214WBSD0	VX1214WBSD01	1,2-Dichloroethane-d4	50	49.4	99	74	125
		Dibromofluoromethane	50	50.3	100	75	124
		Toluene-d8	50	50.9	102	86	113
		4-Bromofluorobenzene	50	50.4	101	64	133

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: **O5829**

Client: **D&B Engineers and Architects, P.C.**

Analytical Method: **SW8260-Low**

Datafile : VN080498.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN1215WBS01	Dichlorodifluoromethane	20	19.3	ug/L	97			69	116	
	Chloromethane	20	16.8	ug/L	84			65	116	
	Vinyl chloride	20	17.9	ug/L	90			65	117	
	Bromomethane	20	19.2	ug/L	96			58	125	
	Chloroethane	20	18.3	ug/L	92			56	128	
	Trichlorofluoromethane	20	19.7	ug/L	99			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			80	112	
	1,1-Dichloroethene	20	18.4	ug/L	92			74	110	
	Acetone	100	120	ug/L	120			60	125	
	Carbon disulfide	20	17.0	ug/L	85			64	112	
	Methyl tert-butyl Ether	20	19.7	ug/L	99			78	114	
	Methyl Acetate	20	20.1	ug/L	101			67	125	
	Methylene Chloride	20	18.4	ug/L	92			72	114	
	trans-1,2-Dichloroethene	20	18.4	ug/L	92			75	108	
	1,1-Dichloroethane	20	19.7	ug/L	99			78	112	
	Cyclohexane	20	17.9	ug/L	90			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	20.4	ug/L	102			77	113	
	cis-1,2-Dichloroethene	20	19.3	ug/L	97			77	110	
	Bromochloromethane	20	18.3	ug/L	92			70	124	
	Chloroform	20	20.5	ug/L	103			79	113	
	1,1,1-Trichloroethane	20	20.2	ug/L	101			80	108	
	Methylcyclohexane	20	18.3	ug/L	92			72	115	
	Benzene	20	19.9	ug/L	100			82	109	
	1,2-Dichloroethane	20	21.5	ug/L	108			80	115	
	Trichloroethene	20	19.0	ug/L	95			77	113	
	1,2-Dichloropropane	20	19.6	ug/L	98			83	111	
	Bromodichloromethane	20	21.4	ug/L	107			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	19.8	ug/L	99			82	110	
	t-1,3-Dichloropropene	20	20.3	ug/L	102			79	110	
	cis-1,3-Dichloropropene	20	20.0	ug/L	100			82	110	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			83	112	
	2-Hexanone	100	99.5	ug/L	100			73	117	
	Dibromochloromethane	20	20.6	ug/L	103			82	110	
	1,2-Dibromoethane	20	19.8	ug/L	99			81	110	
	Tetrachloroethene	20	18.9	ug/L	95			67	123	
	Chlorobenzene	20	19.8	ug/L	99			82	109	
	Ethyl Benzene	20	19.7	ug/L	99			83	109	
	m/p-Xylenes	40	40.4	ug/L	101			82	110	
	o-Xylene	20	19.5	ug/L	98			83	109	
	Styrene	20	19.9	ug/L	100			80	111	
	Bromoform	20	19.4	ug/L	97			79	109	
	Isopropylbenzene	20	19.7	ug/L	99			83	112	
	1,1,2,2-Tetrachloroethane	20	19.0	ug/L	95			76	118	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			82	108	
	1,4-Dichlorobenzene	20	18.9	ug/L	95			82	107	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.9	ug/L	100			68	112	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5829
Client: D&B Engineers and Architects, P.C.
Analytical Method: SW8260-Low

Datafile : VN080498.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN1215WBS01	1,2,4-Trichlorobenzene	20	19.8	ug/L	99			55	133	
	1,2,3-Trichlorobenzene	20	19.8	ug/L	99			59	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5829

Client: D&B Engineers and Architects, P.C.

Analytical Method: SW8260-Low

Datafile : VX039198.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX1214WBS01	Dichlorodifluoromethane	20	21.1	ug/L	106			69	116	
	Chloromethane	20	20.2	ug/L	101			65	116	
	Vinyl chloride	20	20.2	ug/L	101			65	117	
	Bromomethane	20	21.9	ug/L	110			58	125	
	Chloroethane	20	19.7	ug/L	99			56	128	
	Trichlorofluoromethane	20	19.8	ug/L	99			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			80	112	
	1,1-Dichloroethene	20	19.9	ug/L	100			74	110	
	Acetone	100	70.6	ug/L	71			60	125	
	Carbon disulfide	20	19.2	ug/L	96			64	112	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			78	114	
	Methyl Acetate	20	20.2	ug/L	101			67	125	
	Methylene Chloride	20	19.3	ug/L	97			72	114	
	trans-1,2-Dichloroethene	20	19.3	ug/L	97			75	108	
	1,1-Dichloroethane	20	19.5	ug/L	98			78	112	
	Cyclohexane	20	19.4	ug/L	97			75	110	
	2-Butanone	100	85.4	ug/L	85			65	122	
	Carbon Tetrachloride	20	18.8	ug/L	94			77	113	
	cis-1,2-Dichloroethene	20	20.0	ug/L	100			77	110	
	Bromochloromethane	20	17.5	ug/L	88			70	124	
	Chloroform	20	19.7	ug/L	99			79	113	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			80	108	
	Methylcyclohexane	20	18.9	ug/L	95			72	115	
	Benzene	20	19.4	ug/L	97			82	109	
	1,2-Dichloroethane	20	19.5	ug/L	98			80	115	
	Trichloroethene	20	19.2	ug/L	96			77	113	
	1,2-Dichloropropane	20	19.6	ug/L	98			83	111	
	Bromodichloromethane	20	19.6	ug/L	98			83	110	
	4-Methyl-2-Pentanone	100	98.3	ug/L	98			74	118	
	Toluene	20	19.3	ug/L	97			82	110	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			79	110	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			82	110	
	1,1,2-Trichloroethane	20	19.2	ug/L	96			83	112	
	2-Hexanone	100	90.3	ug/L	90			73	117	
	Dibromochloromethane	20	19.4	ug/L	97			82	110	
	1,2-Dibromoethane	20	19.3	ug/L	97			81	110	
	Tetrachloroethene	20	19.0	ug/L	95			67	123	
	Chlorobenzene	20	19.2	ug/L	96			82	109	
	Ethyl Benzene	20	19.5	ug/L	98			83	109	
	m/p-Xylenes	40	39.5	ug/L	99			82	110	
	o-Xylene	20	19.3	ug/L	97			83	109	
	Styrene	20	19.6	ug/L	98			80	111	
	Bromoform	20	19.1	ug/L	96			79	109	
	Isopropylbenzene	20	19.9	ug/L	100			83	112	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			76	118	
	1,3-Dichlorobenzene	20	18.9	ug/L	95			82	108	
	1,4-Dichlorobenzene	20	18.9	ug/L	95			82	107	
	1,2-Dichlorobenzene	20	19.2	ug/L	96			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.1	ug/L	96			68	112	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5829
Client: D&B Engineers and Architects, P.C.
Analytical Method: SW8260-Low

Datafile : VX039198.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX1214WBS01	1,2,4-Trichlorobenzene	20	19.3	ug/L	97			55	133	
	1,2,3-Trichlorobenzene	20	18.9	ug/L	95			59	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5829

Client: D&B Engineers and Architects, P.C.

Analytical Method: SW8260-Low

Datafile : VX039199.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX1214WBSD01	Dichlorodifluoromethane	20	20.5	ug/L	103	3		69	116	20
	Chloromethane	20	19.3	ug/L	97	4		65	116	20
	Vinyl chloride	20	19.4	ug/L	97	4		65	117	20
	Bromomethane	20	22.0	ug/L	110	0		58	125	20
	Chloroethane	20	18.7	ug/L	94	5		56	128	20
	Trichlorofluoromethane	20	19.4	ug/L	97	2		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98	2		80	112	20
	1,1-Dichloroethene	20	18.9	ug/L	95	5		74	110	20
	Acetone	100	80.9	ug/L	81	13		60	125	20
	Carbon disulfide	20	19.0	ug/L	95	1		64	112	20
	Methyl tert-butyl Ether	20	19.6	ug/L	98	0		78	114	20
	Methyl Acetate	20	19.7	ug/L	99	2		67	125	20
	Methylene Chloride	20	19.6	ug/L	98	1		72	114	20
	trans-1,2-Dichloroethene	20	19.2	ug/L	96	1		75	108	20
	1,1-Dichloroethane	20	19.2	ug/L	96	2		78	112	20
	Cyclohexane	20	19.5	ug/L	98	1		75	110	20
	2-Butanone	100	90.5	ug/L	91	7		65	122	20
	Carbon Tetrachloride	20	19.5	ug/L	98	4		77	113	20
	cis-1,2-Dichloroethene	20	20.0	ug/L	100	0		77	110	20
	Bromochloromethane	20	17.2	ug/L	86	2		70	124	20
	Chloroform	20	19.4	ug/L	97	2		79	113	20
	1,1,1-Trichloroethane	20	19.2	ug/L	96	1		80	108	20
	Methylcyclohexane	20	19.9	ug/L	100	5		72	115	20
	Benzene	20	19.9	ug/L	100	3		82	109	20
	1,2-Dichloroethane	20	20.2	ug/L	101	3		80	115	20
	Trichloroethene	20	19.8	ug/L	99	3		77	113	20
	1,2-Dichloropropane	20	20.2	ug/L	101	3		83	111	20
	Bromodichloromethane	20	20.5	ug/L	103	5		83	110	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	2		74	118	20
	Toluene	20	20.3	ug/L	102	5		82	110	20
	t-1,3-Dichloropropene	20	20.5	ug/L	103	4		79	110	20
	cis-1,3-Dichloropropene	20	20.2	ug/L	101	3		82	110	20
	1,1,2-Trichloroethane	20	20.7	ug/L	104	8		83	112	20
	2-Hexanone	100	98.3	ug/L	98	9		73	117	20
	Dibromochloromethane	20	20.4	ug/L	102	5		82	110	20
	1,2-Dibromoethane	20	20.4	ug/L	102	5		81	110	20
	Tetrachloroethene	20	19.2	ug/L	96	1		67	123	20
	Chlorobenzene	20	19.5	ug/L	98	2		82	109	20
	Ethyl Benzene	20	19.8	ug/L	99	1		83	109	20
	m/p-Xylenes	40	40.5	ug/L	101	2		82	110	20
	o-Xylene	20	19.8	ug/L	99	2		83	109	20
	Styrene	20	20.2	ug/L	101	3		80	111	20
	Bromoform	20	19.8	ug/L	99	3		79	109	20
	Isopropylbenzene	20	19.6	ug/L	98	2		83	112	20
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101	2		76	118	20
	1,3-Dichlorobenzene	20	19.1	ug/L	96	1		82	108	20
	1,4-Dichlorobenzene	20	18.8	ug/L	94	1		82	107	20
	1,2-Dichlorobenzene	20	19.5	ug/L	98	2		82	109	20
	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100	4		68	112	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5829
Client: D&B Engineers and Architects, P.C.
Analytical Method: SW8260-Low

Datafile : VX039199.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX1214WBSD01	1,2,4-Trichlorobenzene	20	19.5	ug/L	98	1		55	133	20
	1,2,3-Trichlorobenzene	20	19.2	ug/L	96	1		59	129	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1215WBL01

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM Case No.: 05829

SAS No.: 05829 SDG NO.: 05829

Lab File ID: VN080497.D

Lab Sample ID: VN1215WBL01

Date Analyzed: 12/15/2023

Time Analyzed: 10:50

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1215WBS01	VN1215WBS01	VN080498.D	12/15/2023
MW-2	05829-05	VN080500.D	12/15/2023
MW-2DL	05829-05DL	VN080501.D	12/15/2023

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1214WBL01

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM Case No.: O5829

SAS No.: O5829 SDG NO.: O5829

Lab File ID: VX039197.D

Lab Sample ID: VX1214WBL01

Date Analyzed: 12/14/2023

Time Analyzed: 10:32

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1214WBS01	VX1214WBS01	VX039198.D	12/14/2023
VX1214WBSD01	VX1214WBSD01	VX039199.D	12/14/2023
FIELD-BLANK-1	O5829-13	VX039205.D	12/14/2023
TB-1	O5829-14	VX039206.D	12/14/2023
MW-4	O5829-02	VX039207.D	12/14/2023
MW-7	O5829-04	VX039208.D	12/14/2023
MW-9	O5829-06	VX039209.D	12/14/2023
MW-17	O5829-07	VX039210.D	12/14/2023
MW-15	O5829-09	VX039211.D	12/14/2023
MW-14	O5829-10	VX039212.D	12/14/2023
MW-12	O5829-11	VX039213.D	12/14/2023
MW-13D	O5829-12	VX039214.D	12/14/2023
MW-16D	O5829-08	VX039215.D	12/14/2023
MW-3	O5829-01	VX039216.D	12/14/2023
MW-8	O5829-03	VX039217.D	12/14/2023

COMMENTS:

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: <u>CHEMTECH</u>	Contract: <u>DVIR01</u>
Lab Code: <u>CHEM</u> Case No.: <u>05829</u>	SAS No.: <u>05829</u> SDG NO.: <u>05829</u>
Lab File ID: <u>VN080429.D</u>	BFB Injection Date: <u>12/12/2023</u>
Instrument ID: <u>MSVOA_N</u>	BFB Injection Time: <u>08:32</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	Heated Purge: Y/N <u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17
75	30.0 - 60.0% of mass 95	53.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	74
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	71.1 (96) 1
177	5.0 - 9.0% of mass 176	4.6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN080430.D	12/12/2023	10:09
VSTDICCC050	VSTDICCC050	VN080431.D	12/12/2023	10:33
VSTDICC020	VSTDICC020	VN080432.D	12/12/2023	10:57
VSTDICC010	VSTDICC010	VN080433.D	12/12/2023	11:20
VSTDICC005	VSTDICC005	VN080434.D	12/12/2023	11:44
VSTDICC001	VSTDICC001	VN080435.D	12/12/2023	12:31

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: <u>CHEMTECH</u>	Contract: <u>DVIR01</u>
Lab Code: <u>CHEM</u> Case No.: <u>05829</u>	SAS No.: <u>05829</u> SDG NO.: <u>05829</u>
Lab File ID: <u>VN080494.D</u>	BFB Injection Date: <u>12/15/2023</u>
Instrument ID: <u>MSVOA_N</u>	BFB Injection Time: <u>09:01</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	Heated Purge: Y/N <u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	54.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	75.7
175	5.0 - 9.0% of mass 174	5.5 (7.3) 1
176	95.0 - 101.0% of mass 174	72.7 (96) 1
177	5.0 - 9.0% of mass 176	4.6 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN080495.D	12/15/2023	09:49
VN1215WBL01	VN1215WBL01	VN080497.D	12/15/2023	10:50
VN1215WBS01	VN1215WBS01	VN080498.D	12/15/2023	13:03
MW-2	O5829-05	VN080500.D	12/15/2023	14:00
MW-2DL	O5829-05DL	VN080501.D	12/15/2023	14:24

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	CHEMTECH		Contract:	DVIR01	
Lab Code:	CHEM	Case No.:	O5829	SAS No.:	O5829
				SDG NO.:	O5829
Lab File ID:	VX039179.D		BFB Injection Date:	12/13/2023	
Instrument ID:	MSVOA_X		BFB Injection Time:	09:01	
GC Column:	DB-624UI	ID:	0.18	(mm)	
			Heated Purge:	Y/N	N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.9
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.8) 1
174	50.0 - 100.0% of mass 95	61.8
175	5.0 - 9.0% of mass 174	4.7 (7.6) 1
176	95.0 - 101.0% of mass 174	59 (95.4) 1
177	5.0 - 9.0% of mass 176	3.9 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX039180.D	12/13/2023	10:12
VSTDIC005	VSTDIC005	VX039181.D	12/13/2023	10:35
VSTDIC020	VSTDIC020	VX039182.D	12/13/2023	10:57
VSTDIC050	VSTDIC050	VX039183.D	12/13/2023	11:20
VSTDIC100	VSTDIC100	VX039184.D	12/13/2023	11:43
VSTDIC150	VSTDIC150	VX039185.D	12/13/2023	12:06

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name:	CHEMTECH		Contract:	DVIR01	
Lab Code:	CHEM	Case No.:	O5829	SAS No.:	O5829
				SDG NO.:	O5829
Lab File ID:	VX039194.D		BFB Injection Date:	12/14/2023	
Instrument ID:	MSVOA_X		BFB Injection Time:	09:12	
GC Column:	DB-624UI	ID:	0.18	(mm)	
				Heated Purge:	Y/N
					N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.7
75	30.0 - 60.0% of mass 95	53.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.6 (1) 1
174	50.0 - 100.0% of mass 95	62.3
175	5.0 - 9.0% of mass 174	4.2 (6.7) 1
176	95.0 - 101.0% of mass 174	60.1 (96.5) 1
177	5.0 - 9.0% of mass 176	3.9 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX039195.D	12/14/2023	09:41
VX1214WBL01	VX1214WBL01	VX039197.D	12/14/2023	10:32
VX1214WBS01	VX1214WBS01	VX039198.D	12/14/2023	10:55
VX1214WBSD01	VX1214WBSD01	VX039199.D	12/14/2023	11:21
FIELD-BLANK-1	O5829-13	VX039205.D	12/14/2023	14:02
TB-1	O5829-14	VX039206.D	12/14/2023	14:25
MW-4	O5829-02	VX039207.D	12/14/2023	14:48
MW-7	O5829-04	VX039208.D	12/14/2023	15:11
MW-9	O5829-06	VX039209.D	12/14/2023	15:34
MW-17	O5829-07	VX039210.D	12/14/2023	15:57
MW-15	O5829-09	VX039211.D	12/14/2023	16:19
MW-14	O5829-10	VX039212.D	12/14/2023	16:42
MW-12	O5829-11	VX039213.D	12/14/2023	17:05
MW-13D	O5829-12	VX039214.D	12/14/2023	17:28
MW-16D	O5829-08	VX039215.D	12/14/2023	17:51
MW-3	O5829-01	VX039216.D	12/14/2023	18:14
MW-8	O5829-03	VX039217.D	12/14/2023	18:37

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG NO.: O5829
 Lab File ID: VN080495.D Date Analyzed: 12/15/2023
 Instrument ID: MSVOA_N Time Analyzed: 09:49
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	260388	8.22	398326	9.10	358915	11.87
UPPER LIMIT	520776	8.724	796652	9.6	717830	12.365
LOWER LIMIT	130194	7.724	199163	8.6	179458	11.365
EPA SAMPLE NO.						
MW-2	213947	8.22	391520	9.10	394371	11.87
MW-2DL	241057	8.22	434658	9.11	445449	11.87
VN1215WBL01	222596	8.22	412513	9.10	423919	11.87
VN1215WBS01	305783	8.23	472443	9.10	417766	11.87

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG NO.: O5829
 Lab File ID: VN080495.D Date Analyzed: 12/15/2023
 Instrument ID: MSVOA_N Time Analyzed: 09:49
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	173278	13.794				
UPPER LIMIT	346556	14.294				
LOWER LIMIT	86639	13.294				
EPA SAMPLE NO.						
MW-2	179983	13.79				
MW-2DL	213363	13.79				
VN1215WBL01	187510	13.79				
VN1215WBS01	200148	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG NO.: O5829
 Lab File ID: VX039195.D Date Analyzed: 12/14/2023
 Instrument ID: MSVOA_X Time Analyzed: 09:41
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	138399	5.54	246796	6.76	226419	10.05
UPPER LIMIT	276798	6.044	493592	7.257	452838	10.549
LOWER LIMIT	69199.5	5.044	123398	6.257	113210	9.549
EPA SAMPLE NO.						
MW-3	109226	5.55	228697	6.76	234866	10.06
MW-4	106389	5.55	219078	6.76	229698	10.06
MW-8	111517	5.55	232327	6.76	243118	10.06
MW-7	111261	5.55	227171	6.76	236218	10.05
MW-9	106134	5.55	216000	6.76	227870	10.06
MW-17	105886	5.55	219697	6.76	227617	10.06
MW-16D	106362	5.55	223015	6.76	229808	10.06
MW-15	108700	5.55	223497	6.76	236366	10.06
MW-14	108636	5.55	219732	6.76	231893	10.06
MW-12	104449	5.55	213789	6.76	224523	10.06
MW-13D	106858	5.55	220161	6.76	228692	10.06
FIELD-BLANK-1	108170	5.55	226549	6.76	235430	10.06
TB-1	105893	5.55	216727	6.76	224975	10.06
VX1214WBL01	108141	5.55	220087	6.76	226632	10.06
VX1214WBS01	122975	5.55	231505	6.76	213626	10.06
VX1214WBSD01	119468	5.55	216877	6.76	201443	10.05

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG NO.: O5829
 Lab File ID: VX039195.D Date Analyzed: 12/14/2023
 Instrument ID: MSVOA_X Time Analyzed: 09:41
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	114082	12.018				
UPPER LIMIT	228164	12.518				
LOWER LIMIT	57041	11.518				
EPA SAMPLE NO.						
MW-3	122323	12.02				
MW-4	116344	12.02				
MW-8	124222	12.02				
MW-7	117009	12.02				
MW-9	116032	12.02				
MW-17	113932	12.02				
MW-16D	116541	12.02				
MW-15	118745	12.02				
MW-14	122959	12.02				
MW-12	116733	12.02				
MW-13D	117587	12.02				
FIELD-BLANK-1	117980	12.02				
TB-1	117779	12.02				
VX1214WBL01	114304	12.02				
VX1214WBS01	104622	12.02				
VX1214WBSD01	100865	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1215WBL01		SDG No.:	O5829
Lab Sample ID:	VN1215WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080497.D	1		12/15/23 10:50	VN121523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1215WBL01		SDG No.:	O5829
Lab Sample ID:	VN1215WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080497.D	1		12/15/23 10:50	VN121523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.0		74 - 125	114%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	48.3		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		64 - 133	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	8.224			
540-36-3	1,4-Difluorobenzene	413000	9.1			
3114-55-4	Chlorobenzene-d5	424000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	188000	13.794			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1215WBL01		SDG No.:	O5829
Lab Sample ID:	VN1215WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080497.D	1		12/15/23 10:50	VN121523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	
Client Sample ID:	VX1214WBL01	SDG No.:	O5829
Lab Sample ID:	VX1214WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039197.D	1		12/14/23 10:32	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VX1214WBL01		SDG No.:	O5829
Lab Sample ID:	VX1214WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039197.D	1		12/14/23 10:32	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		64 - 133	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	108000	5.55			
540-36-3	1,4-Difluorobenzene	220000	6.763			
3114-55-4	Chlorobenzene-d5	227000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	114000	12.024			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VX1214WBL01		SDG No.:	O5829
Lab Sample ID:	VX1214WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039197.D	1		12/14/23 10:32	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1215WBS01		SDG No.:	O5829
Lab Sample ID:	VN1215WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080498.D	1		12/15/23 13:03	VN121523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		0.14	1.00	ug/L
74-87-3	Chloromethane	16.8		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	17.9		0.25	1.00	ug/L
74-83-9	Bromomethane	19.2		1.60	5.00	ug/L
75-00-3	Chloroethane	18.3		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.7		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.4		0.21	1.00	ug/L
67-64-1	Acetone	120		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.14	1.00	ug/L
79-20-9	Methyl Acetate	20.1		0.36	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.16	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.4		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.20	1.00	ug/L
74-97-5	Bromochloromethane	18.3		0.14	1.00	ug/L
67-66-3	Chloroform	20.5		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	18.3		0.16	1.00	ug/L
71-43-2	Benzene	19.9		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.16	1.00	ug/L
79-01-6	Trichloroethene	19.0		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	21.4		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.74	5.00	ug/L
108-88-3	Toluene	19.8		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	
Client Sample ID:	VN1215WBS01	SDG No.:	O5829
Lab Sample ID:	VN1215WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080498.D	1		12/15/23 13:03	VN121523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.6		0.13	1.00	ug/L
591-78-6	2-Hexanone	99.5		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	20.6		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.8		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.4		0.31	2.00	ug/L
95-47-6	o-Xylene	19.5		0.15	1.00	ug/L
100-42-5	Styrene	19.9		0.13	1.00	ug/L
75-25-2	Bromoform	19.4		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	19.7		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.0		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.9		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.8		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.8		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.9		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	54.0		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	52.4		86 - 113	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		64 - 133	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	306000	8.229			
540-36-3	1,4-Difluorobenzene	472000	9.1			
3114-55-4	Chlorobenzene-d5	418000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	200000	13.794			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VN1215WBS01		SDG No.:	O5829
Lab Sample ID:	VN1215WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN080498.D	1		12/15/23 13:03	VN121523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VX1214WBS01		SDG No.:	O5829
Lab Sample ID:	VX1214WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039198.D	1		12/14/23 10:55	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		0.14	1.00	ug/L
74-87-3	Chloromethane	20.2		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	20.2		0.25	1.00	ug/L
74-83-9	Bromomethane	21.9		1.60	5.00	ug/L
75-00-3	Chloroethane	19.7		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.9		0.21	1.00	ug/L
67-64-1	Acetone	70.6		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	19.2		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.14	1.00	ug/L
79-20-9	Methyl Acetate	20.2		0.36	1.00	ug/L
75-09-2	Methylene Chloride	19.3		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.5		0.16	1.00	ug/L
110-82-7	Cyclohexane	19.4		1.60	5.00	ug/L
78-93-3	2-Butanone	85.4		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		0.20	1.00	ug/L
74-97-5	Bromochloromethane	17.5		0.14	1.00	ug/L
67-66-3	Chloroform	19.7		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	18.9		0.16	1.00	ug/L
71-43-2	Benzene	19.4		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.16	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.3		0.74	5.00	ug/L
108-88-3	Toluene	19.3		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	
Client Sample ID:	VX1214WBS01	SDG No.:	O5829
Lab Sample ID:	VX1214WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039198.D	1		12/14/23 10:55	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	19.2		0.13	1.00	ug/L
591-78-6	2-Hexanone	90.3		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	19.4		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.3		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.5		0.31	2.00	ug/L
95-47-6	o-Xylene	19.3		0.15	1.00	ug/L
100-42-5	Styrene	19.6		0.13	1.00	ug/L
75-25-2	Bromoform	19.1		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	19.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.9		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.9		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.2		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.3		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.9		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	50.0		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		64 - 133	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	123000	5.55			
540-36-3	1,4-Difluorobenzene	232000	6.757			
3114-55-4	Chlorobenzene-d5	214000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	105000	12.024			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VX1214WBS01		SDG No.:	O5829
Lab Sample ID:	VX1214WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039198.D	1		12/14/23 10:55	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	
Client Sample ID:	VX1214WBSD01	SDG No.:	O5829
Lab Sample ID:	VX1214WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039199.D	1		12/14/23 11:21	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.5		0.14	1.00	ug/L
74-87-3	Chloromethane	19.3		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	19.4		0.25	1.00	ug/L
74-83-9	Bromomethane	22.0		1.60	5.00	ug/L
75-00-3	Chloroethane	18.7		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.4		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.21	1.00	ug/L
67-64-1	Acetone	80.9		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	19.0		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.14	1.00	ug/L
79-20-9	Methyl Acetate	19.7		0.36	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.16	1.00	ug/L
110-82-7	Cyclohexane	19.5		1.60	5.00	ug/L
78-93-3	2-Butanone	90.5		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		0.20	1.00	ug/L
74-97-5	Bromochloromethane	17.2		0.14	1.00	ug/L
67-66-3	Chloroform	19.4		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.2		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	19.9		0.16	1.00	ug/L
71-43-2	Benzene	19.9		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.16	1.00	ug/L
79-01-6	Trichloroethene	19.8		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.2		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	20.5		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.74	5.00	ug/L
108-88-3	Toluene	20.3		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.15	1.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VX1214WBSD01		SDG No.:	O5829
Lab Sample ID:	VX1214WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039199.D	1		12/14/23 11:21	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.7		0.13	1.00	ug/L
591-78-6	2-Hexanone	98.3		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.4		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.5		0.31	2.00	ug/L
95-47-6	o-Xylene	19.8		0.15	1.00	ug/L
100-42-5	Styrene	20.2		0.13	1.00	ug/L
75-25-2	Bromoform	19.8		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	19.6		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.1		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.5		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.5		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.2		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	50.9		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		64 - 133	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	119000	5.55			
540-36-3	1,4-Difluorobenzene	217000	6.757			
3114-55-4	Chlorobenzene-d5	201000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	101000	12.018			

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	VX1214WBSD01		SDG No.:	O5829
Lab Sample ID:	VX1214WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX039199.D	1		12/14/23 11:21	VX121423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: MSVOA_N Calibration Date(s): 12/12/2023 12/12/2023
 Heated Purge: (Y/N) N Calibration Time(s): 10:09 12:31
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN080430.D		RRF050 = VN080431.D		RRF020 = VN080432.D		
		RRF010 = VN080433.D		RRF005 = VN080434.D		RRF001 = VN080435.D		
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD
Dichlorodifluoromethane	0.655	0.626	0.676	0.579	0.676	0.622	0.639	5.9
Chloromethane	0.685	0.677	0.692	0.616	0.764	1.122	0.759	24.2
Vinyl Chloride	0.561	0.541	0.582	0.484	0.583	0.524	0.546	7
Bromomethane	0.225	0.230	0.258	0.231	0.287		0.246	10.7
Chloroethane	0.333	0.328	0.390	0.332	0.358	0.363	0.351	6.9
Trichlorofluoromethane	1.115	1.072	1.168	1.010	1.156	1.120	1.107	5.3
1,1,2-Trichlorotrifluoroethane	0.533	0.532	0.567	0.473	0.547	0.496	0.525	6.6
1,1-Dichloroethene	0.530	0.514	0.574	0.487	0.554	0.566	0.538	6.2
Acetone	0.129	0.135	0.106	0.121	0.091	0.097	0.113	15.6
Carbon Disulfide	1.495	1.454	1.587	1.362	1.580	1.662	1.523	7.1
Methyl tert-butyl Ether	1.816	1.793	1.929	1.624	1.878	1.720	1.793	6.1
Methyl Acetate	0.724	0.729	0.735	0.667	0.762	0.754	0.729	4.6
Methylene Chloride	0.583	0.581	0.625	0.521	0.655	0.672	0.606	9.2
trans-1,2-Dichloroethene	0.578	0.562	0.616	0.530	0.600	0.611	0.583	5.7
1,1-Dichloroethane	0.994	0.993	1.078	0.921	1.059	0.964	1.001	5.9
Cyclohexane	0.796	0.802	0.921	0.801	1.022		0.868	11.6
2-Butanone	0.218	0.228	0.230	0.219	0.212	0.202	0.218	4.7
Carbon Tetrachloride	0.627	0.630	0.659	0.534	0.643	0.623	0.619	7.1
cis-1,2-Dichloroethene	0.653	0.654	0.686	0.584	0.682	0.699	0.660	6.2
Bromochloromethane	0.388	0.384	0.409	0.329	0.426	0.372	0.385	8.7
Chloroform	1.101	1.111	1.183	1.009	1.148	1.119	1.112	5.3
1,1,1-Trichloroethane	1.081	1.087	1.165	1.004	1.122	1.071	1.088	5
Methylcyclohexane	0.543	0.554	0.584	0.473	0.565	0.512	0.538	7.4
Benzene	1.475	1.495	1.612	1.342	1.570	1.488	1.497	6.2
1,2-Dichloroethane	0.551	0.558	0.604	0.486	0.597	0.532	0.554	7.9
Trichloroethene	0.398	0.407	0.435	0.362	0.410	0.409	0.404	5.9
1,2-Dichloropropane	0.345	0.353	0.375	0.320	0.370	0.346	0.352	5.7
Bromodichloromethane	0.556	0.561	0.592	0.487	0.558	0.493	0.541	7.7
4-Methyl-2-Pentanone	0.301	0.329	0.351	0.297	0.347	0.303	0.321	7.5
Toluene	0.934	0.962	1.040	0.833	0.999	0.906	0.946	7.7
t-1,3-Dichloropropene	0.607	0.611	0.662	0.510	0.597	0.526	0.585	9.7
cis-1,3-Dichloropropene	0.634	0.651	0.690	0.556	0.665	0.559	0.626	9
1,1,2-Trichloroethane	0.332	0.352	0.377	0.313	0.370	0.297	0.340	9.4

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: MSVOA_N Calibration Date(s): 12/12/2023 12/12/2023
 Heated Purge: (Y/N) N Calibration Time(s): 10:09 12:31
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN080430.D		RRF050 = VN080431.D		RRF020 = VN080432.D		
		RRF010 = VN080433.D		RRF005 = VN080434.D		RRF001 = VN080435.D		
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD
2-Hexanone	0.218	0.242	0.273	0.217	0.256	0.218	0.237	10
Dibromochloromethane	0.409	0.421	0.450	0.353	0.410	0.376	0.403	8.5
1,2-Dibromoethane	0.344	0.355	0.390	0.316	0.369	0.339	0.352	7.3
Tetrachloroethene	0.384	0.384	0.413	0.345	0.412	0.379	0.386	6.5
Chlorobenzene	1.129	1.104	1.223	0.994	1.157	1.067	1.112	7
Ethyl Benzene	2.088	2.055	2.207	1.830	2.160	1.931	2.045	6.9
m/p-Xylenes	0.770	0.767	0.838	0.681	0.799	0.679	0.756	8.4
o-Xylene	0.740	0.749	0.830	0.671	0.788	0.659	0.739	8.9
Styrene	1.115	1.115	1.196	0.982	1.086	0.895	1.065	10.2
Bromoform	0.314	0.332	0.340	0.286	0.315	0.322	0.318	5.8
Isopropylbenzene	4.052	4.070	4.232	3.460	4.249	4.037	4.017	7.2
1,1,2,2-Tetrachloroethane	0.977	1.046	1.142	0.963	1.187	1.143	1.076	8.8
1,3-Dichlorobenzene	1.718	1.737	1.870	1.556	1.850	1.714	1.741	6.5
1,4-Dichlorobenzene	1.721	1.728	1.879	1.560	1.842	1.814	1.757	6.5
1,2-Dichlorobenzene	1.594	1.551	1.738	1.527	1.821	1.688	1.653	7
1,2-Dibromo-3-Chloropropane	0.212	0.210	0.221	0.191	0.249	0.275	0.226	13.4
1,2,4-Trichlorobenzene	0.945	0.905	0.922	0.792	0.987	0.956	0.918	7.4
1,2,3-Trichlorobenzene	0.894	0.880	0.890	0.776	0.945	0.930	0.886	6.7
1,2-Dichloroethane-d4	0.660	0.697	0.619	0.522	0.695		0.639	11.4
Dibromofluoromethane	0.329	0.349	0.300	0.249	0.358		0.317	13.8
Toluene-d8	1.220	1.315	1.133	0.924	1.319		1.182	13.8
4-Bromofluorobenzene	0.450	0.515	0.433	0.357	0.491		0.449	13.6

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: MSVOA_X Calibration Date(s): 12/13/2023 12/13/2023
 Heated Purge: (Y/N) N Calibration Time(s): 10:12 12:06
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX039180.D	RRF005 = VX039181.D	RRF020 = VX039182.D					
	RRF050 = VX039183.D	RRF100 = VX039184.D	RRF150 = VX039185.D					
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.695	0.647	0.654	0.727	0.727	0.766	0.703	6.6
Chloromethane	0.789	0.740	0.760	0.785	0.776	0.823	0.779	3.6
Vinyl Chloride	0.726	0.722	0.725	0.714	0.707	0.753	0.724	2.2
Bromomethane		0.459	0.431	0.456	0.362	0.376	0.417	10.9
Chloroethane	0.534	0.436	0.415	0.415	0.406	0.413	0.437	11.2
Trichlorofluoromethane	1.071	1.030	1.087	1.055	1.038	1.084	1.061	2.3
1,1,2-Trichlorotrifluoroethane	0.671	0.640	0.667	0.637	0.619	0.649	0.647	3
1,1-Dichloroethene	0.654	0.639	0.661	0.640	0.618	0.646	0.643	2.3
Acetone	0.818	0.812	0.838	0.513	0.490	0.495	0.661	26.9
Carbon Disulfide	1.981	1.770	1.894	1.855	1.853	1.937	1.882	3.9
Methyl tert-butyl Ether	2.392	2.256	2.392	2.278	2.241	2.394	2.325	3.2
Methyl Acetate	1.974	1.928	1.984	2.007	1.976	2.017	1.981	1.6
Methylene Chloride	0.833	0.755	0.776	0.736	0.719	0.762	0.764	5.2
trans-1,2-Dichloroethene	0.734	0.695	0.723	0.691	0.665	0.690	0.700	3.6
1,1-Dichloroethane	1.356	1.326	1.391	1.310	1.294	1.365	1.340	2.7
Cyclohexane		1.164	1.262	1.176	1.137	1.176	1.183	4
2-Butanone	0.887	0.863	0.906	0.703	0.685	0.700	0.790	13.2
Carbon Tetrachloride	0.495	0.485	0.526	0.525	0.530	0.560	0.520	5.2
cis-1,2-Dichloroethene	0.676	0.790	0.824	0.779	0.763	0.801	0.772	6.7
Bromochloromethane	0.561	0.611	0.685	0.690	0.658	0.719	0.654	8.9
Chloroform	1.353	1.320	1.385	1.306	1.294	1.378	1.339	2.8
1,1,1-Trichloroethane	1.105	1.134	1.199	1.162	1.156	1.220	1.163	3.6
Methylcyclohexane	0.661	0.642	0.677	0.649	0.639	0.661	0.655	2.2
Benzene	1.496	1.552	1.605	1.534	1.502	1.562	1.542	2.6
1,2-Dichloroethane	0.599	0.598	0.650	0.623	0.620	0.655	0.624	3.9
Trichloroethene	0.408	0.384	0.398	0.378	0.374	0.392	0.389	3.4
1,2-Dichloropropane	0.393	0.421	0.424	0.412	0.406	0.426	0.414	3.1
Bromodichloromethane	0.485	0.536	0.579	0.567	0.570	0.600	0.556	7.3
4-Methyl-2-Pentanone	0.662	0.701	0.741	0.700	0.686	0.695	0.698	3.7
Toluene	0.907	0.920	0.983	0.929	0.906	0.938	0.931	3
t-1,3-Dichloropropene	0.521	0.555	0.636	0.630	0.644	0.689	0.612	10.2
cis-1,3-Dichloropropene	0.620	0.611	0.681	0.670	0.667	0.703	0.659	5.5
1,1,2-Trichloroethane	0.384	0.388	0.401	0.381	0.378	0.400	0.389	2.6

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: MSVOA_X Calibration Date(s): 12/13/2023 12/13/2023
 Heated Purge: (Y/N) N Calibration Time(s): 10:12 12:06
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX039180.D	RRF005 =	VX039181.D	RRF020 =	VX039182.D	RRF050 =	VX039183.D	RRF100 =	VX039184.D	RRF150 =	VX039185.D
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD			
2-Hexanone	0.578	0.648	0.689	0.568	0.566	0.564	0.602	8.9			
Dibromochloromethane	0.356	0.358	0.408	0.395	0.405	0.436	0.393	7.9			
1,2-Dibromoethane	0.392	0.402	0.435	0.417	0.412	0.431	0.415	4			
Tetrachloroethene	0.344	0.342	0.343	0.310	0.302	0.320	0.327	5.7			
Chlorobenzene	1.165	1.083	1.140	1.049	1.023	1.087	1.091	4.9			
Ethyl Benzene	1.980	2.026	2.170	2.013	1.942	2.058	2.031	3.9			
m/p-Xylenes	0.720	0.726	0.785	0.719	0.695	0.725	0.728	4.1			
o-Xylene	0.685	0.700	0.743	0.698	0.679	0.720	0.704	3.3			
Styrene	0.878	1.034	1.112	1.030	1.025	1.099	1.030	8.1			
Bromoform	0.219	0.260	0.295	0.294	0.310	0.341	0.287	14.7			
Isopropylbenzene	3.730	3.851	4.143	3.852	3.673	3.898	3.858	4.2			
1,1,2,2-Tetrachloroethane	1.358	1.469	1.545	1.419	1.372	1.449	1.435	4.8			
1,3-Dichlorobenzene	1.700	1.686	1.744	1.634	1.600	1.691	1.676	3.1			
1,4-Dichlorobenzene	1.981	1.732	1.818	1.632	1.609	1.699	1.745	7.9			
1,2-Dichlorobenzene	1.611	1.674	1.706	1.560	1.488	1.583	1.604	4.9			
1,2-Dibromo-3-Chloropropane	0.298	0.361	0.392	0.405	0.387	0.425	0.378	11.7			
1,2,4-Trichlorobenzene	1.059	1.004	1.096	1.044	1.002	1.094	1.050	4			
1,2,3-Trichlorobenzene	0.971	1.014	1.062	0.996	0.982	1.056	1.014	3.8			
1,2-Dichloroethane-d4		0.991	0.877	0.857	0.891	0.964	0.916	6.4			
Dibromofluoromethane		0.362	0.336	0.326	0.340	0.363	0.345	4.7			
Toluene-d8		1.374	1.255	1.222	1.248	1.313	1.282	4.8			
4-Bromofluorobenzene		0.555	0.510	0.492	0.526	0.562	0.529	5.6			

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: 05829 SAS No.: 05829 SDG No.: 05829
 Instrument ID: MSVOA_N Calibration Date/Time: 12/15/2023 09:49
 Lab File ID: VN080495.D Init. Calib. Date(s): 12/12/2023 12/12/2023
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:09 12:31
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.639	0.673		5.32	20
Chloromethane	0.759	0.628	0.1	-17.26	20
Vinyl Chloride	0.546	0.510		-6.59	20
Bromomethane	0.246	0.235		-4.47	20
Chloroethane	0.351	0.319		-9.12	20
Trichlorofluoromethane	1.107	1.143		3.25	20
1,1,2-Trichlorotrifluoroethane	0.525	0.550		4.76	20
1,1-Dichloroethene	0.538	0.527		-2.05	20
Acetone	0.113	0.126		11.5	20
Carbon Disulfide	1.523	1.404		-7.81	20
Methyl tert-butyl Ether	1.793	1.835		2.34	20
Methyl Acetate	0.729	0.751		3.02	20
Methylene Chloride	0.606	0.585		-3.46	20
trans-1,2-Dichloroethene	0.583	0.576		-1.2	20
1,1-Dichloroethane	1.001	1.032	0.1	3.1	20
Cyclohexane	0.868	0.812		-6.45	20
2-Butanone	0.218	0.225		3.21	20
Carbon Tetrachloride	0.619	0.693		11.95	20
cis-1,2-Dichloroethene	0.660	0.650		-1.51	20
Bromochloromethane	0.385	0.384		-0.26	20
Chloroform	1.112	1.174		5.58	20
1,1,1-Trichloroethane	1.088	1.155		6.16	20
Methylcyclohexane	0.538	0.544		1.12	20
Benzene	1.497	1.545		3.21	20
1,2-Dichloroethane	0.554	0.617		11.37	20
Trichloroethene	0.404	0.409		1.24	20
1,2-Dichloropropane	0.352	0.360		2.27	20
Bromodichloromethane	0.541	0.605		11.83	20
4-Methyl-2-Pentanone	0.321	0.331		3.12	20
Toluene	0.946	1.008		6.55	20
t-1,3-Dichloropropene	0.585	0.637		8.89	20
cis-1,3-Dichloropropene	0.626	0.666		6.39	20
1,1,2-Trichloroethane	0.340	0.357		5	20
2-Hexanone	0.237	0.243		2.53	20
Dibromochloromethane	0.403	0.445		10.42	20
1,2-Dibromoethane	0.352	0.366		3.98	20
Tetrachloroethene	0.386	0.388		0.52	20
Chlorobenzene	1.112	1.128	0.3	1.44	20
Ethyl Benzene	2.045	2.105		2.93	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: MSVOA_N Calibration Date/Time: 12/15/2023 09:49
 Lab File ID: VN080495.D Init. Calib. Date(s): 12/12/2023 12/12/2023
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:09 12:31
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.756	0.784		3.7	20
o-Xylene	0.739	0.754		2.03	20
Styrene	1.065	1.123		5.45	20
Bromoform	0.318	0.315	0.1	-0.94	20
Isopropylbenzene	4.017	4.155		3.43	20
1,1,2,2-Tetrachloroethane	1.076	1.014	0.3	-5.76	20
1,3-Dichlorobenzene	1.741	1.691		-2.87	20
1,4-Dichlorobenzene	1.757	1.698		-3.36	20
1,2-Dichlorobenzene	1.653	1.618		-2.12	20
1,2-Dibromo-3-Chloropropane	0.226	0.225		-0.44	20
1,2,4-Trichlorobenzene	0.918	0.969		5.56	20
1,2,3-Trichlorobenzene	0.886	0.906		2.26	20
1,2-Dichloroethane-d4	0.639	0.666		4.22	20
Dibromofluoromethane	0.317	0.324		2.21	20
Toluene-d8	1.182	1.192		0.85	20
4-Bromofluorobenzene	0.449	0.434		-3.34	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: 05829 SAS No.: 05829 SDG No.: 05829
 Instrument ID: MSVOA_X Calibration Date/Time: 12/14/2023 09:41
 Lab File ID: VX039195.D Init. Calib. Date(s): 12/13/2023 12/13/2023
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:12 12:06
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.703	0.726		3.27	20
Chloromethane	0.779	0.754	0.1	-3.21	20
Vinyl Chloride	0.724	0.709		-2.07	20
Bromomethane	0.417	0.427		2.4	20
Chloroethane	0.437	0.395		-9.61	20
Trichlorofluoromethane	1.061	1.035		-2.45	20
1,1,2-Trichlorotrifluoroethane	0.647	0.631		-2.47	20
1,1-Dichloroethene	0.643	0.614		-4.51	20
Acetone	0.661	0.622		-5.9	20
Carbon Disulfide	1.882	1.787		-5.05	20
Methyl tert-butyl Ether	2.325	2.180		-6.24	20
Methyl Acetate	1.981	1.811		-8.58	20
Methylene Chloride	0.764	0.701		-8.25	20
trans-1,2-Dichloroethene	0.700	0.655		-6.43	20
1,1-Dichloroethane	1.340	1.268	0.1	-5.37	20
Cyclohexane	1.183	1.145		-3.21	20
2-Butanone	0.790	0.718		-9.11	20
Carbon Tetrachloride	0.520	0.513		-1.35	20
cis-1,2-Dichloroethene	0.772	0.736		-4.66	20
Bromochloromethane	0.654	0.629		-3.82	20
Chloroform	1.339	1.252		-6.5	20
1,1,1-Trichloroethane	1.163	1.098		-5.59	20
Methylcyclohexane	0.655	0.651		-0.61	20
Benzene	1.542	1.504		-2.46	20
1,2-Dichloroethane	0.624	0.603		-3.37	20
Trichloroethene	0.389	0.369		-5.14	20
1,2-Dichloropropane	0.414	0.410		-0.97	20
Bromodichloromethane	0.556	0.563		1.26	20
4-Methyl-2-Pentanone	0.698	0.678		-2.87	20
Toluene	0.931	0.907		-2.58	20
t-1,3-Dichloropropene	0.612	0.628		2.61	20
cis-1,3-Dichloropropene	0.659	0.657		-0.3	20
1,1,2-Trichloroethane	0.389	0.378		-2.83	20
2-Hexanone	0.602	0.578		-3.99	20
Dibromochloromethane	0.393	0.397		1.02	20
1,2-Dibromoethane	0.415	0.402		-3.13	20
Tetrachloroethene	0.327	0.318		-2.75	20
Chlorobenzene	1.091	1.037	0.3	-4.95	20
Ethyl Benzene	2.031	2.002		-1.43	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: MSVOA_X Calibration Date/Time: 12/14/2023 09:41
 Lab File ID: VX039195.D Init. Calib. Date(s): 12/13/2023 12/13/2023
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:12 12:06
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.728	0.710		-2.47	20
o-Xylene	0.704	0.690		-1.99	20
Styrene	1.030	1.027		-0.29	20
Bromoform	0.287	0.295	0.1	2.79	20
Isopropylbenzene	3.858	3.748		-2.85	20
1,1,2,2-Tetrachloroethane	1.435	1.355	0.3	-5.57	20
1,3-Dichlorobenzene	1.676	1.594		-4.89	20
1,4-Dichlorobenzene	1.745	1.608		-7.85	20
1,2-Dichlorobenzene	1.604	1.509		-5.92	20
1,2-Dibromo-3-Chloropropane	0.378	0.380		0.53	20
1,2,4-Trichlorobenzene	1.050	1.029		-2	20
1,2,3-Trichlorobenzene	1.014	0.982		-3.16	20
1,2-Dichloroethane-d4	0.916	0.860		-6.11	20
Dibromofluoromethane	0.345	0.341		-1.16	20
Toluene-d8	1.282	1.283		0.08	20
4-Bromofluorobenzene	0.529	0.526		-0.57	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



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LAB CHRONICLE

OrderID:	O5829	OrderDate:	12/13/2023 4:53:00 PM
Client:	D&B Engineers and Architects, P.C.	Project:	Con Edison - Atlantic Avenue #5324-E02
Contact:	Thomas P. Fox	Location:	L11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5829-01	MW-3	Water	SVOCMS Group1	8270E	12/12/23	12/14/23	12/19/23	12/13/23
O5829-02	MW-4	Water	SVOCMS Group1	8270E	12/12/23	12/14/23	12/16/23	12/13/23
O5829-05	MW-2	Water	SVOCMS Group1	8270E	12/12/23	12/14/23	12/16/23	12/13/23
O5829-05DL	MW-2DL	Water	SVOCMS Group1	8270E	12/12/23	12/14/23	12/19/23	12/13/23
O5829-10	MW-14	Water	SVOCMS Group1	8270E	12/13/23	12/14/23	12/16/23	12/13/23
O5829-10DL	MW-14DL	Water	SVOCMS Group1	8270E	12/13/23	12/14/23	12/19/23	12/13/23
O5829-10DL 2	MW-14DL2	Water	SVOCMS Group1	8270E	12/13/23	12/14/23	12/20/23	12/13/23
O5829-11	MW-12	Water	SVOCMS Group1	8270E	12/13/23	12/14/23	12/15/23	12/13/23

Hit Summary Sheet SW-846

SDG No.: O5829

Client: D&B Engineers and Architects, P.C.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-3							
O5829-01	MW-3	WATER Naphthalene	15.700		1.7	5.1	ug/L
		Total Svoc :			15.70		
O5829-01	MW-3	WATER Benzene, (1-methyl-1-propenyl)-, *	10.700	J	0	0	ug/L
O5829-01	MW-3	WATER Benzene, 1,2,3-trimethyl- *	72.900	J	0	0	ug/L
O5829-01	MW-3	WATER Benzene, 1,2,4,5-tetramethyl- *	4.000	J	0	0	ug/L
O5829-01	MW-3	WATER Benzene, 1,2,4-trimethyl- *	14.400	J	0	0	ug/L
O5829-01	MW-3	WATER Benzene, 1,3-dimethyl- *	70.700	J	0	0	ug/L
O5829-01	MW-3	WATER Benzene, 1,4-diethyl- *	5.900	J	0	0	ug/L
O5829-01	MW-3	WATER Benzene, 1-ethyl-2,4-dimethyl- *	8.200	J	0	0	ug/L
O5829-01	MW-3	WATER Benzene, 1-ethyl-2-methyl- *	16.100	J	0	0	ug/L
O5829-01	MW-3	WATER Benzene, 1-ethyl-3-methyl- *	12.000	J	0	0	ug/L
O5829-01	MW-3	WATER Benzene, 2-ethenyl-1,4-dimethyl- *	4.300	J	0	0	ug/L
O5829-01	MW-3	WATER Benzoic acid, 2,5-dimethyl- *	2.000	J	0	0	ug/L
O5829-01	MW-3	WATER Butane, 2-methoxy-2-methyl- *	43.300	J	0	0	ug/L
O5829-01	MW-3	WATER Indane *	22.800	J	0	0	ug/L
O5829-01	MW-3	WATER Mesitylene *	27.000	J	0	0	ug/L
O5829-01	MW-3	WATER p-Cymene *	5.100	J	0	0	ug/L
O5829-01	MW-3	WATER 1H-Inden-1-one, 2,3-dihydro- *	5.900	J	0	0	ug/L
O5829-01	MW-3	WATER 1-Methylnaphthalene *	2.700	J	2.1	5.1	ug/L
		Total Tics :			328.00		
		Total Concentration:			343.70		
Client ID : MW-4							
O5829-02	MW-4	WATER Butane, 2-methoxy-2-methyl- *	33.700	J	0	0	ug/L
O5829-02	MW-4	WATER Tridecanoic acid *	2.600	J	0	0	ug/L
		Total Tics :			36.30		
		Total Concentration:			36.30		
Client ID : MW-2							
O5829-05	MW-2	WATER Naphthalene	120.000	E	1.7	5	ug/L
O5829-05	MW-2	WATER 2-Methylnaphthalene	34.800		2.2	5	ug/L
O5829-05	MW-2	WATER Carbazole	3.000	J	1.7	5	ug/L
		Total Svoc :			157.80		
O5829-05	MW-2	WATER 1,3,5-Cycloheptatriene, 3,7,7-trim *	36.300	J	0	0	ug/L
O5829-05	MW-2	WATER 2,4-Dimethylstyrene *	48.300	J	0	0	ug/L
O5829-05	MW-2	WATER Benzene, 1,2,3,4-tetramethyl- *	22.500	J	0	0	ug/L
O5829-05	MW-2	WATER Benzene, 1,2,3-trimethyl- *	110.000	J	0	0	ug/L
O5829-05	MW-2	WATER Benzene, 1,2,4,5-tetramethyl- *	18.200	J	0	0	ug/L
O5829-05	MW-2	WATER Benzene, 1,2,4-trimethyl- *	140.000	J	0	0	ug/L
O5829-05	MW-2	WATER Benzene, 1,2-diethyl- *	34.300	J	0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: O5829
Client: D&B Engineers and Architects, P.C.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
O5829-05	MW-2	WATER	Benzene, 1-ethyl-2-methyl-	*	52.000	J 0	0	ug/L
O5829-05	MW-2	WATER	Benzene, 1-ethyl-4-methyl-	*	110.000	J 0	0	ug/L
O5829-05	MW-2	WATER	Benzene, 1-methyl-4-propyl-	*	23.500	J 0	0	ug/L
O5829-05	MW-2	WATER	Benzene, 2-ethyl-1,3-dimethyl-	*	110.000	J 0	0	ug/L
O5829-05	MW-2	WATER	Benzene, 4-ethyl-1,2-dimethyl-	*	53.200	J 0	0	ug/L
O5829-05	MW-2	WATER	Benzene, propyl-	*	17.600	J 0	0	ug/L
O5829-05	MW-2	WATER	Butane, 2-methoxy-2-methyl-	*	28.800	J 0	0	ug/L
O5829-05	MW-2	WATER	Indan, 1-methyl-	*	20.400	J 0	0	ug/L
O5829-05	MW-2	WATER	Indane	*	190.000	J 0	0	ug/L
O5829-05	MW-2	WATER	Mesitylene	*	390.000	J 0	0	ug/L
O5829-05	MW-2	WATER	o-Cymene	*	36.800	J 0	0	ug/L
O5829-05	MW-2	WATER	1-Methylnaphthalene	*	23.900	J 2.1	5	ug/L
Total Tics :					1,465.80			
Total Concentration:					1,623.60			
Client ID : MW-2DL								
O5829-05DL	MW-2DL	WATER	Naphthalene		130.000	D 8.5	25	ug/L
O5829-05DL	MW-2DL	WATER	2-Methylnaphthalene		39.000	D 11.2	25	ug/L
Total Svoc :					169.00			
Total Concentration:					169.00			
Client ID : MW-14								
O5829-10	MW-14	WATER	Naphthalene		1,000.000	E 3.5	10.4	ug/L
O5829-10	MW-14	WATER	2-Methylnaphthalene		240.000	E 4.6	10.4	ug/L
O5829-10	MW-14	WATER	1,1-Biphenyl		20.600	3.7	10.4	ug/L
O5829-10	MW-14	WATER	Acenaphthene		75.000	3.6	10.4	ug/L
O5829-10	MW-14	WATER	Fluorene		25.600	4.3	10.4	ug/L
O5829-10	MW-14	WATER	Phenanthrene		47.600	4.2	10.4	ug/L
O5829-10	MW-14	WATER	Anthracene		8.700	J 4.8	10.4	ug/L
O5829-10	MW-14	WATER	Pyrene		7.000	J 3.9	10.4	ug/L
Total Svoc :					1,424.50			
O5829-10	MW-14	WATER	Benzene, 1,2,3-trimethyl-	*	320.000	J 0	0	ug/L
O5829-10	MW-14	WATER	Benzene, 1,2,4,5-tetramethyl-	*	45.300	J 0	0	ug/L
O5829-10	MW-14	WATER	Benzene, 1,2,4-trimethyl-	*	130.000	J 0	0	ug/L
O5829-10	MW-14	WATER	Benzene, 1,2-diethyl-	*	35.900	J 0	0	ug/L
O5829-10	MW-14	WATER	Benzene, 1,4-diethyl-	*	48.600	J 0	0	ug/L
O5829-10	MW-14	WATER	Benzene, 1-ethenyl-4-ethyl-	*	65.700	J 0	0	ug/L
O5829-10	MW-14	WATER	Benzene, 1-ethyl-2,4-dimethyl-	*	59.900	J 0	0	ug/L
O5829-10	MW-14	WATER	Benzene, 4-ethyl-1,2-dimethyl-	*	99.200	J 0	0	ug/L
O5829-10	MW-14	WATER	Butane, 2-methoxy-2-methyl-	*	54.600	J 0	0	ug/L
O5829-10	MW-14	WATER	1,4-Dihydronaphthalene	*	39.500	J 0	0	ug/L
O5829-10	MW-14	WATER	1H-Indene, 1,3-dimethyl-	*	21.000	J 0	0	ug/L
O5829-10	MW-14	WATER	1H-Indene, 1-methyl-	*	190.000	J 0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: O5829
Client: D&B Engineers and Architects, P.C.

Sample ID	Client ID		Parameter	Concentration	C	MDL		RDL	Units
O5829-10	MW-14	WATER	1H-Indene, 4,7-dimethyl-	*	40.600	J	0	0	ug/L
O5829-10	MW-14	WATER	Indane	*	230.000	J	0	0	ug/L
O5829-10	MW-14	WATER	Mesitylene	*	85.000	J	0	0	ug/L
O5829-10	MW-14	WATER	Naphthalene, 1,2-dihydro-3-methy	*	28.100	J	0	0	ug/L
O5829-10	MW-14	WATER	Naphthalene, 1,5-dimethyl-	*	40.200	J	0	0	ug/L
O5829-10	MW-14	WATER	Naphthalene, 1-ethyl-	*	28.500	J	0	0	ug/L
O5829-10	MW-14	WATER	p-Cymene	*	29.300	J	0	0	ug/L
O5829-10	MW-14	WATER	1-Methylnaphthalene	*	320.000	J	4.3	10.4	ug/L
Total Tics :					1,911.40				
Total Concentration:					3,335.90				
Client ID : MW-14DL									
O5829-10DL	MW-14DL	WATER	Naphthalene		1,900.000	ED	35.2	100	ug/L
O5829-10DL	MW-14DL	WATER	2-Methylnaphthalene		330.000	D	46.5	100	ug/L
O5829-10DL	MW-14DL	WATER	Acenaphthene		91.300	JD	35.8	100	ug/L
O5829-10DL	MW-14DL	WATER	Phenanthrene		57.100	JD	41.7	100	ug/L
Total Svoc :					2,378.40				
Total Concentration:					2,378.40				
Client ID : MW-14DL2									
O5829-10DL2	MW-14DL2	WATER	Naphthalene		1,700.000	D	70.4	210	ug/L
O5829-10DL2	MW-14DL2	WATER	2-Methylnaphthalene		330.000	D	92.9	210	ug/L
O5829-10DL2	MW-14DL2	WATER	Acenaphthene		87.500	JD	71.7	210	ug/L
Total Svoc :					2,117.50				
Total Concentration:					2,117.50				
Client ID : MW-12									
O5829-11	MW-12	WATER	Naphthalene		49.700		1.7	5	ug/L
O5829-11	MW-12	WATER	1,1-Biphenyl		3.600	J	1.8	5	ug/L
O5829-11	MW-12	WATER	Acenaphthene		23.800		1.7	5	ug/L
O5829-11	MW-12	WATER	Fluorene		7.200		2	5	ug/L
O5829-11	MW-12	WATER	Phenanthrene		7.600		2	5	ug/L
Total Svoc :					91.90				
O5829-11	MW-12	WATER	1H-Indene, 1-methyl-	*	37.400	J	0	0	ug/L
O5829-11	MW-12	WATER	1H-Indene, 4,7-dimethyl-	*	9.400	J	0	0	ug/L
O5829-11	MW-12	WATER	Benzene, 1,2,4-trimethyl-	*	35.100	J	0	0	ug/L
O5829-11	MW-12	WATER	Benzene, 1,2-diethyl-	*	7.300	J	0	0	ug/L
O5829-11	MW-12	WATER	Benzene, 1,4-diethyl-	*	7.500	J	0	0	ug/L
O5829-11	MW-12	WATER	Benzene, 1-butynyl-	*	24.100	J	0	0	ug/L
O5829-11	MW-12	WATER	Benzene, 1-ethyl-2,3-dimethyl-	*	7.600	J	0	0	ug/L
O5829-11	MW-12	WATER	Benzene, 1-ethyl-2-methyl-	*	42.000	J	0	0	ug/L
O5829-11	MW-12	WATER	Benzene, 1-propynyl-	*	13.100	J	0	0	ug/L
O5829-11	MW-12	WATER	Butane, 2-methoxy-2-methyl-	*	38.200	J	0	0	ug/L
O5829-11	MW-12	WATER	Naphthalene, 1,2-dimethyl-	*	6.100	J	0	0	ug/L

Hit Summary Sheet
SW-846**SDG No.:** O5829**Client:** D&B Engineers and Architects, P.C.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
O5829-11	MW-12	WATER	Naphthalene, 1,6-dimethyl-	*	8.300	J 0	0	ug/L
O5829-11	MW-12	WATER	Naphthalene, 1-ethyl-	*	7.300	J 0	0	ug/L
O5829-11	MW-12	WATER	Naphthalene, 2,7-dimethyl-	*	15.000	J 0	0	ug/L
O5829-11	MW-12	WATER	o-Cymene	*	7.500	J 0	0	ug/L
O5829-11	MW-12	WATER	Indane	*	29.900	J 0	0	ug/L
O5829-11	MW-12	WATER	Mesitylene	*	21.400	J 0	0	ug/L
O5829-11	MW-12	WATER	1-Methylnaphthalene	*	60.900	J 2.1	5	ug/L
Total Tics :						378.10		
Total Concentration:						470.00		

SAMPLE DATA

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/13/23
Client Sample ID:	MW-3		SDG No.:	O5829
Lab Sample ID:	O5829-01		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060087.D	1	12/14/23 11:25	12/19/23 16:06	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10.1	U	3.30	10.1	ug/L
108-95-2	Phenol	5.10	U	1.50	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.10	U	1.70	5.10	ug/L
95-57-8	2-Chlorophenol	5.10	U	1.40	5.10	ug/L
95-48-7	2-Methylphenol	5.10	U	2.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.10	U	2.30	5.10	ug/L
98-86-2	Acetophenone	5.10	U	1.80	5.10	ug/L
65794-96-9	3+4-Methylphenols	10.1	U	2.20	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	2.00	2.50	ug/L
67-72-1	Hexachloroethane	5.10	UQ	1.70	5.10	ug/L
98-95-3	Nitrobenzene	5.10	U	1.70	5.10	ug/L
78-59-1	Isophorone	5.10	U	1.70	5.10	ug/L
88-75-5	2-Nitrophenol	5.10	U	2.40	5.10	ug/L
105-67-9	2,4-Dimethylphenol	5.10	U	3.00	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.10	U	2.10	5.10	ug/L
120-83-2	2,4-Dichlorophenol	5.10	U	1.70	5.10	ug/L
91-20-3	Naphthalene	15.7		1.70	5.10	ug/L
106-47-8	4-Chloroaniline	5.10	U	2.60	5.10	ug/L
87-68-3	Hexachlorobutadiene	5.10	U	1.90	5.10	ug/L
105-60-2	Caprolactam	10.1	U	3.50	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	5.10	U	1.80	5.10	ug/L
91-57-6	2-Methylnaphthalene	5.10	U	2.30	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	10.1	U	5.80	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	1.50	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	5.10	U	1.60	5.10	ug/L
92-52-4	1,1-Biphenyl	5.10	U	1.80	5.10	ug/L
91-58-7	2-Chloronaphthalene	5.10	U	1.60	5.10	ug/L
88-74-4	2-Nitroaniline	5.10	U	2.40	5.10	ug/L
131-11-3	Dimethylphthalate	5.10	U	1.90	5.10	ug/L
208-96-8	Acenaphthylene	5.10	U	2.20	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	5.10	U	2.10	5.10	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-3	SDG No.:	O5829
Lab Sample ID:	O5829-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060087.D	1	12/14/23 11:25	12/19/23 16:06	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5.10	U	2.40	5.10	ug/L
83-32-9	Acenaphthene	5.10	U	1.70	5.10	ug/L
51-28-5	2,4-Dinitrophenol	10.1	U	5.50	10.1	ug/L
100-02-7	4-Nitrophenol	10.1	U	2.80	10.1	ug/L
132-64-9	Dibenzofuran	5.10	U	1.60	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	5.10	U	2.60	5.10	ug/L
84-66-2	Diethylphthalate	5.10	U	2.10	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.10	U	2.20	5.10	ug/L
86-73-7	Fluorene	5.10	U	2.10	5.10	ug/L
100-01-6	4-Nitroaniline	5.10	U	2.40	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.1	U	1.80	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	5.10	U	2.00	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	5.10	U	2.00	5.10	ug/L
118-74-1	Hexachlorobenzene	5.10	U	1.90	5.10	ug/L
1912-24-9	Atrazine	5.10	U	3.50	5.10	ug/L
87-86-5	Pentachlorophenol	10.1	U	2.60	10.1	ug/L
85-01-8	Phenanthrene	5.10	U	2.00	5.10	ug/L
120-12-7	Anthracene	5.10	U	2.30	5.10	ug/L
86-74-8	Carbazole	5.10	U	1.70	5.10	ug/L
84-74-2	Di-n-butylphthalate	5.10	U	2.40	5.10	ug/L
206-44-0	Fluoranthene	5.10	U	2.10	5.10	ug/L
129-00-0	Pyrene	5.10	U	1.90	5.10	ug/L
85-68-7	Butylbenzylphthalate	5.10	U	2.80	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	10.1	U	5.40	10.1	ug/L
56-55-3	Benzo(a)anthracene	5.10	U	1.50	5.10	ug/L
218-01-9	Chrysene	5.10	U	1.60	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.10	U	3.00	5.10	ug/L
117-84-0	Di-n-octyl phthalate	10.1	U	3.20	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	5.10	U	1.50	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	5.10	U	1.90	5.10	ug/L
50-32-8	Benzo(a)pyrene	5.10	U	2.70	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.10	U	2.10	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.10	U	2.00	5.10	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/12/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/13/23	
Client Sample ID:	MW-3		SDG No.:	O5829	
Lab Sample ID:	O5829-01		Matrix:	Water	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060087.D	1	12/14/23 11:25	12/19/23 16:06	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5.10	U	1.90	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.10	U	2.10	5.10	ug/L
123-91-1	1,4-Dioxane	5.10	U	2.50	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.10	U	1.30	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	44.1		10 - 139	29%	SPK: 150
13127-88-3	Phenol-d6	25.9		10 - 134	17%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.0		49 - 133	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.8		52 - 132	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	163		32 - 145	108%	SPK: 150
1718-51-0	Terphenyl-d14	94.1		36 - 145	94%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	49800	7.955	
1146-65-2	Naphthalene-d8	174000	10.757	
15067-26-2	Acenaphthene-d10	175000	14.588	
1517-22-2	Phenanthrene-d10	584000	17.338	
1719-03-5	Chrysene-d12	622000	21.609	
1520-96-3	Perylene-d12	671000	24.799	

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	43.3	J		3.14	ug/L
000108-38-3	Benzene, 1,3-dimethyl-	70.7	J		5.60	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	12.0	J		7.04	ug/L
000095-63-6	Benzene, 1,2,4-trimethyl-	14.4	J		7.17	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	16.1	J		7.34	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	72.9	J		7.60	ug/L
000108-67-8	Mesitylene	27.0	J		8.07	ug/L
000496-11-7	Indane	22.8	J		8.32	ug/L
000105-05-5	Benzene, 1,4-diethyl-	5.90	J		8.59	ug/L
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	8.20	J		9.06	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	4.00	J		9.58	ug/L
000099-87-6	p-Cymene	5.10	J		9.64	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	4.30	J		10.0	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/12/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/13/23	
Client Sample ID:	MW-3		SDG No.:	O5829	
Lab Sample ID:	O5829-01		Matrix:	Water	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060087.D	1	12/14/23 11:25	12/19/23 16:06	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000768-00-3	Benzene, (1-methyl-1-propenyl)-, (	10.7	J		10.2	ug/L
000083-33-0	1H-Inden-1-one, 2,3-dihydro-	5.90	J		12.1	ug/L
90-12-0	1-Methylnaphthalene	2.70	J		12.6	ug/L
000610-72-0	Benzoic acid, 2,5-dimethyl-	2.00	J		13.3	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-4	SDG No.:	O5829
Lab Sample ID:	O5829-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060054.D	1	12/14/23 11:25	12/16/23 04:01	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10.0	U	3.30	10.0	ug/L
108-95-2	Phenol	5.00	U	1.50	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.00	U	1.70	5.00	ug/L
95-57-8	2-Chlorophenol	5.00	U	1.40	5.00	ug/L
95-48-7	2-Methylphenol	5.00	U	2.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.00	U	2.30	5.00	ug/L
98-86-2	Acetophenone	5.00	U	1.80	5.00	ug/L
65794-96-9	3+4-Methylphenols	10.0	U	2.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	2.00	2.50	ug/L
67-72-1	Hexachloroethane	5.00	UQ	1.60	5.00	ug/L
98-95-3	Nitrobenzene	5.00	U	1.70	5.00	ug/L
78-59-1	Isophorone	5.00	U	1.70	5.00	ug/L
88-75-5	2-Nitrophenol	5.00	U	2.40	5.00	ug/L
105-67-9	2,4-Dimethylphenol	5.00	U	3.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.00	U	2.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	5.00	U	1.70	5.00	ug/L
91-20-3	Naphthalene	5.00	U	1.70	5.00	ug/L
106-47-8	4-Chloroaniline	5.00	U	2.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	5.00	U	1.90	5.00	ug/L
105-60-2	Caprolactam	10.0	U	3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	5.00	U	1.80	5.00	ug/L
91-57-6	2-Methylnaphthalene	5.00	U	2.20	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	10.0	U	5.70	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.00	U	1.50	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	5.00	U	1.60	5.00	ug/L
92-52-4	1,1-Biphenyl	5.00	U	1.80	5.00	ug/L
91-58-7	2-Chloronaphthalene	5.00	U	1.60	5.00	ug/L
88-74-4	2-Nitroaniline	5.00	U	2.40	5.00	ug/L
131-11-3	Dimethylphthalate	5.00	U	1.90	5.00	ug/L
208-96-8	Acenaphthylene	5.00	U	2.10	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	5.00	U	2.10	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-4	SDG No.:	O5829
Lab Sample ID:	O5829-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060054.D	1	12/14/23 11:25	12/16/23 04:01	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5.00	U	2.40	5.00	ug/L
83-32-9	Acenaphthene	5.00	U	1.70	5.00	ug/L
51-28-5	2,4-Dinitrophenol	10.0	U	5.50	10.0	ug/L
100-02-7	4-Nitrophenol	10.0	U	2.80	10.0	ug/L
132-64-9	Dibenzofuran	5.00	U	1.60	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	5.00	U	2.50	5.00	ug/L
84-66-2	Diethylphthalate	5.00	U	2.10	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.00	U	2.20	5.00	ug/L
86-73-7	Fluorene	5.00	U	2.00	5.00	ug/L
100-01-6	4-Nitroaniline	5.00	U	2.30	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U	1.80	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	5.00	U	2.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	5.00	U	2.00	5.00	ug/L
118-74-1	Hexachlorobenzene	5.00	U	1.90	5.00	ug/L
1912-24-9	Atrazine	5.00	U	3.50	5.00	ug/L
87-86-5	Pentachlorophenol	10.0	U	2.60	10.0	ug/L
85-01-8	Phenanthrene	5.00	U	2.00	5.00	ug/L
120-12-7	Anthracene	5.00	U	2.30	5.00	ug/L
86-74-8	Carbazole	5.00	U	1.70	5.00	ug/L
84-74-2	Di-n-butylphthalate	5.00	U	2.40	5.00	ug/L
206-44-0	Fluoranthene	5.00	U	2.10	5.00	ug/L
129-00-0	Pyrene	5.00	U	1.90	5.00	ug/L
85-68-7	Butylbenzylphthalate	5.00	U	2.80	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	10.0	U	5.40	10.0	ug/L
56-55-3	Benzo(a)anthracene	5.00	U	1.50	5.00	ug/L
218-01-9	Chrysene	5.00	U	1.60	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.00	U	2.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	10.0	U	3.10	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	5.00	U	1.50	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	5.00	U	1.90	5.00	ug/L
50-32-8	Benzo(a)pyrene	5.00	U	2.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	2.10	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.00	U	2.00	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-4	SDG No.:	O5829
Lab Sample ID:	O5829-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060054.D	1	12/14/23 11:25	12/16/23 04:01	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5.00	U	1.90	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.00	U	2.10	5.00	ug/L
123-91-1	1,4-Dioxane	5.00	U	2.40	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.00	U	1.30	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	44.7		10 - 139	30%	SPK: 150
13127-88-3	Phenol-d6	26.2		10 - 134	17%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.1		49 - 133	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.4		52 - 132	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		32 - 145	84%	SPK: 150
1718-51-0	Terphenyl-d14	82.5		36 - 145	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69500	7.955			
1146-65-2	Naphthalene-d8	284000	10.757			
15067-26-2	Acenaphthene-d10	236000	14.588			
1517-22-2	Phenanthrene-d10	710000	17.338			
1719-03-5	Chrysene-d12	856000	21.609			
1520-96-3	Perylene-d12	990000	24.794			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	33.7	J		3.14	ug/L
000638-53-9	Tridecanoic acid	2.60	J		18.2	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/12/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/13/23	
Client Sample ID:	MW-2		SDG No.:	O5829	
Lab Sample ID:	O5829-05		Matrix:	Water	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060056.D	1	12/14/23 11:25	12/16/23 05:22	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10.0	U	3.30	10.0	ug/L
108-95-2	Phenol	5.00	U	1.50	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.00	U	1.70	5.00	ug/L
95-57-8	2-Chlorophenol	5.00	U	1.40	5.00	ug/L
95-48-7	2-Methylphenol	5.00	U	2.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.00	U	2.30	5.00	ug/L
98-86-2	Acetophenone	5.00	U	1.80	5.00	ug/L
65794-96-9	3+4-Methylphenols	10.0	U	2.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	2.00	2.50	ug/L
67-72-1	Hexachloroethane	5.00	UQ	1.60	5.00	ug/L
98-95-3	Nitrobenzene	5.00	U	1.70	5.00	ug/L
78-59-1	Isophorone	5.00	U	1.70	5.00	ug/L
88-75-5	2-Nitrophenol	5.00	U	2.40	5.00	ug/L
105-67-9	2,4-Dimethylphenol	5.00	U	3.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.00	U	2.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	5.00	U	1.70	5.00	ug/L
91-20-3	Naphthalene	120	E	1.70	5.00	ug/L
106-47-8	4-Chloroaniline	5.00	U	2.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	5.00	U	1.90	5.00	ug/L
105-60-2	Caprolactam	10.0	U	3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	5.00	U	1.80	5.00	ug/L
91-57-6	2-Methylnaphthalene	34.8		2.20	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	10.0	U	5.70	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.00	U	1.50	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	5.00	U	1.60	5.00	ug/L
92-52-4	1,1-Biphenyl	5.00	U	1.80	5.00	ug/L
91-58-7	2-Chloronaphthalene	5.00	U	1.60	5.00	ug/L
88-74-4	2-Nitroaniline	5.00	U	2.40	5.00	ug/L
131-11-3	Dimethylphthalate	5.00	U	1.90	5.00	ug/L
208-96-8	Acenaphthylene	5.00	U	2.10	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	5.00	U	2.10	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-2	SDG No.:	O5829
Lab Sample ID:	O5829-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060056.D	1	12/14/23 11:25	12/16/23 05:22	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5.00	U	2.40	5.00	ug/L
83-32-9	Acenaphthene	5.00	U	1.70	5.00	ug/L
51-28-5	2,4-Dinitrophenol	10.0	U	5.50	10.0	ug/L
100-02-7	4-Nitrophenol	10.0	U	2.80	10.0	ug/L
132-64-9	Dibenzofuran	5.00	U	1.60	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	5.00	U	2.50	5.00	ug/L
84-66-2	Diethylphthalate	5.00	U	2.10	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.00	U	2.20	5.00	ug/L
86-73-7	Fluorene	5.00	U	2.00	5.00	ug/L
100-01-6	4-Nitroaniline	5.00	U	2.30	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U	1.80	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	5.00	U	2.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	5.00	U	2.00	5.00	ug/L
118-74-1	Hexachlorobenzene	5.00	U	1.90	5.00	ug/L
1912-24-9	Atrazine	5.00	U	3.50	5.00	ug/L
87-86-5	Pentachlorophenol	10.0	U	2.60	10.0	ug/L
85-01-8	Phenanthrene	5.00	U	2.00	5.00	ug/L
120-12-7	Anthracene	5.00	U	2.30	5.00	ug/L
86-74-8	Carbazole	3.00	J	1.70	5.00	ug/L
84-74-2	Di-n-butylphthalate	5.00	U	2.40	5.00	ug/L
206-44-0	Fluoranthene	5.00	U	2.10	5.00	ug/L
129-00-0	Pyrene	5.00	U	1.90	5.00	ug/L
85-68-7	Butylbenzylphthalate	5.00	U	2.80	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	10.0	U	5.40	10.0	ug/L
56-55-3	Benzo(a)anthracene	5.00	U	1.50	5.00	ug/L
218-01-9	Chrysene	5.00	U	1.60	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.00	U	2.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	10.0	U	3.10	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	5.00	U	1.50	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	5.00	U	1.90	5.00	ug/L
50-32-8	Benzo(a)pyrene	5.00	U	2.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	2.10	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.00	U	2.00	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-2	SDG No.:	O5829
Lab Sample ID:	O5829-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060056.D	1	12/14/23 11:25	12/16/23 05:22	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5.00	U	1.90	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.00	U	2.10	5.00	ug/L
123-91-1	1,4-Dioxane	5.00	U	2.40	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.00	U	1.30	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	39.4		10 - 139	26%	SPK: 150
13127-88-3	Phenol-d6	23.3		10 - 134	16%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.6		49 - 133	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.5		52 - 132	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		32 - 145	82%	SPK: 150
1718-51-0	Terphenyl-d14	80.3		36 - 145	80%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	61600	7.958
1146-65-2	Naphthalene-d8	253000	10.761
15067-26-2	Acenaphthene-d10	220000	14.592
1517-22-2	Phenanthrene-d10	647000	17.341
1719-03-5	Chrysene-d12	780000	21.607
1520-96-3	Perylene-d12	890000	24.791

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	28.8	J		3.14	ug/L
000103-65-1	Benzene, propyl-	17.6	J		6.94	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	52.0	J		7.04	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	110	J		7.18	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	110	J		7.35	ug/L
000108-67-8	Mesitylene	390	J		7.61	ug/L
000095-63-6	Benzene, 1,2,4-trimethyl-	140	J		8.07	ug/L
000496-11-7	Indane	190	J		8.33	ug/L
000135-01-3	Benzene, 1,2-diethyl-	34.3	J		8.45	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	53.2	J		8.59	ug/L
001074-55-1	Benzene, 1-methyl-4-propyl-	23.5	J		8.76	ug/L
000527-84-4	o-Cymene	36.8	J		8.91	ug/L
003479-89-8	1,3,5-Cycloheptatriene, 3,7,7-trim	36.3	J		8.96	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-2	SDG No.:	O5829
Lab Sample ID:	O5829-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060056.D	1	12/14/23 11:25	12/16/23 05:22	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	110	J		9.06	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	18.2	J		9.59	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	22.5	J		9.64	ug/L
000767-58-8	Indan, 1-methyl-	20.4	J		10.0	ug/L
002234-20-0	2,4-Dimethylstyrene	48.3	J		10.2	ug/L
90-12-0	1-Methylnaphthalene	23.9	J		12.6	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-2DL	SDG No.:	O5829
Lab Sample ID:	O5829-05DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060094.D	5	12/14/23 11:25	12/19/23 20:50	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	50.0	UD	16.4	50.0	ug/L
108-95-2	Phenol	25.0	UD	7.40	25.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	25.0	UD	8.30	25.0	ug/L
95-57-8	2-Chlorophenol	25.0	UD	6.80	25.0	ug/L
95-48-7	2-Methylphenol	25.0	UD	10.3	25.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	25.0	UD	11.3	25.0	ug/L
98-86-2	Acetophenone	25.0	UD	9.00	25.0	ug/L
65794-96-9	3+4-Methylphenols	50.0	UD	10.8	50.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	12.5	UD	9.90	12.5	ug/L
67-72-1	Hexachloroethane	25.0	UDQ	8.20	25.0	ug/L
98-95-3	Nitrobenzene	25.0	UD	8.60	25.0	ug/L
78-59-1	Isophorone	25.0	UD	8.60	25.0	ug/L
88-75-5	2-Nitrophenol	25.0	UD	11.9	25.0	ug/L
105-67-9	2,4-Dimethylphenol	25.0	UD	14.8	25.0	ug/L
111-91-1	bis(2-Chloroethoxy)methane	25.0	UD	10.2	25.0	ug/L
120-83-2	2,4-Dichlorophenol	25.0	UD	8.50	25.0	ug/L
91-20-3	Naphthalene	130	D	8.50	25.0	ug/L
106-47-8	4-Chloroaniline	25.0	UD	12.7	25.0	ug/L
87-68-3	Hexachlorobutadiene	25.0	UD	9.70	25.0	ug/L
105-60-2	Caprolactam	50.0	UD	17.2	50.0	ug/L
59-50-7	4-Chloro-3-methylphenol	25.0	UD	8.80	25.0	ug/L
91-57-6	2-Methylnaphthalene	39.0	D	11.2	25.0	ug/L
77-47-4	Hexachlorocyclopentadiene	50.0	UD	28.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	25.0	UD	7.60	25.0	ug/L
95-95-4	2,4,5-Trichlorophenol	25.0	UD	7.90	25.0	ug/L
92-52-4	1,1-Biphenyl	25.0	UD	9.00	25.0	ug/L
91-58-7	2-Chloronaphthalene	25.0	UD	8.00	25.0	ug/L
88-74-4	2-Nitroaniline	25.0	UD	11.9	25.0	ug/L
131-11-3	Dimethylphthalate	25.0	UD	9.40	25.0	ug/L
208-96-8	Acenaphthylene	25.0	UD	10.7	25.0	ug/L
606-20-2	2,6-Dinitrotoluene	25.0	UD	10.5	25.0	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-2DL	SDG No.:	O5829
Lab Sample ID:	O5829-05DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060094.D	5	12/14/23 11:25	12/19/23 20:50	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	25.0	UD	11.8	25.0	ug/L
83-32-9	Acenaphthene	25.0	UD	8.60	25.0	ug/L
51-28-5	2,4-Dinitrophenol	50.0	UD	27.3	50.0	ug/L
100-02-7	4-Nitrophenol	50.0	UD	14.0	50.0	ug/L
132-64-9	Dibenzofuran	25.0	UD	7.90	25.0	ug/L
121-14-2	2,4-Dinitrotoluene	25.0	UD	12.7	25.0	ug/L
84-66-2	Diethylphthalate	25.0	UD	10.3	25.0	ug/L
7005-72-3	4-Chlorophenyl-phenylether	25.0	UD	11.1	25.0	ug/L
86-73-7	Fluorene	25.0	UD	10.2	25.0	ug/L
100-01-6	4-Nitroaniline	25.0	UD	11.7	25.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50.0	UD	9.00	50.0	ug/L
86-30-6	n-Nitrosodiphenylamine	25.0	UD	9.80	25.0	ug/L
101-55-3	4-Bromophenyl-phenylether	25.0	UD	9.80	25.0	ug/L
118-74-1	Hexachlorobenzene	25.0	UD	9.60	25.0	ug/L
1912-24-9	Atrazine	25.0	UD	17.5	25.0	ug/L
87-86-5	Pentachlorophenol	50.0	UD	12.8	50.0	ug/L
85-01-8	Phenanthrene	25.0	UD	10.0	25.0	ug/L
120-12-7	Anthracene	25.0	UD	11.4	25.0	ug/L
86-74-8	Carbazole	25.0	UD	8.50	25.0	ug/L
84-74-2	Di-n-butylphthalate	25.0	UD	12.0	25.0	ug/L
206-44-0	Fluoranthene	25.0	UD	10.3	25.0	ug/L
129-00-0	Pyrene	25.0	UD	9.50	25.0	ug/L
85-68-7	Butylbenzylphthalate	25.0	UD	14.0	25.0	ug/L
91-94-1	3,3-Dichlorobenzidine	50.0	UD	26.9	50.0	ug/L
56-55-3	Benzo(a)anthracene	25.0	UD	7.30	25.0	ug/L
218-01-9	Chrysene	25.0	UD	7.90	25.0	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	25.0	UD	14.7	25.0	ug/L
117-84-0	Di-n-octyl phthalate	50.0	UD	15.7	50.0	ug/L
205-99-2	Benzo(b)fluoranthene	25.0	UD	7.50	25.0	ug/L
207-08-9	Benzo(k)fluoranthene	25.0	UD	9.40	25.0	ug/L
50-32-8	Benzo(a)pyrene	25.0	UD	13.5	25.0	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	25.0	UD	10.5	25.0	ug/L
53-70-3	Dibenzo(a,h)anthracene	25.0	UD	9.90	25.0	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-2DL	SDG No.:	O5829
Lab Sample ID:	O5829-05DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060094.D	5	12/14/23 11:25	12/19/23 20:50	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	25.0	UD	9.70	25.0	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	25.0	UD	10.3	25.0	ug/L
123-91-1	1,4-Dioxane	25.0	UD	12.2	25.0	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	25.0	UD	6.60	25.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	32.0		10 - 139	21%	SPK: 150
13127-88-3	Phenol-d6	19.7		10 - 134	13%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.2		49 - 133	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.2		52 - 132	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		32 - 145	88%	SPK: 150
1718-51-0	Terphenyl-d14	105		36 - 145	105%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	60600	7.949			
1146-65-2	Naphthalene-d8	229000	10.758			
15067-26-2	Acenaphthene-d10	219000	14.589			
1517-22-2	Phenanthrene-d10	617000	17.338			
1719-03-5	Chrysene-d12	651000	21.61			
1520-96-3	Perylene-d12	745000	24.794			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/13/23
Client Sample ID:	MW-14		SDG No.:	O5829
Lab Sample ID:	O5829-10		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	480	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060060.D	1	12/14/23 11:25	12/16/23 08:03	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	20.8	U	6.80	20.8	ug/L
108-95-2	Phenol	10.4	U	3.10	10.4	ug/L
111-44-4	bis(2-Chloroethyl)ether	10.4	U	3.40	10.4	ug/L
95-57-8	2-Chlorophenol	10.4	U	2.80	10.4	ug/L
95-48-7	2-Methylphenol	10.4	U	4.30	10.4	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10.4	U	4.70	10.4	ug/L
98-86-2	Acetophenone	10.4	U	3.70	10.4	ug/L
65794-96-9	3+4-Methylphenols	20.8	U	4.50	20.8	ug/L
621-64-7	n-Nitroso-di-n-propylamine	5.20	U	4.10	5.20	ug/L
67-72-1	Hexachloroethane	10.4	UQ	3.40	10.4	ug/L
98-95-3	Nitrobenzene	10.4	U	3.60	10.4	ug/L
78-59-1	Isophorone	10.4	U	3.60	10.4	ug/L
88-75-5	2-Nitrophenol	10.4	U	5.00	10.4	ug/L
105-67-9	2,4-Dimethylphenol	10.4	U	6.20	10.4	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.4	U	4.30	10.4	ug/L
120-83-2	2,4-Dichlorophenol	10.4	U	3.50	10.4	ug/L
91-20-3	Naphthalene	1000	E	3.50	10.4	ug/L
106-47-8	4-Chloroaniline	10.4	U	5.30	10.4	ug/L
87-68-3	Hexachlorobutadiene	10.4	U	4.00	10.4	ug/L
105-60-2	Caprolactam	20.8	U	7.10	20.8	ug/L
59-50-7	4-Chloro-3-methylphenol	10.4	U	3.60	10.4	ug/L
91-57-6	2-Methylnaphthalene	240	E	4.60	10.4	ug/L
77-47-4	Hexachlorocyclopentadiene	20.8	U	12.0	20.8	ug/L
88-06-2	2,4,6-Trichlorophenol	10.4	U	3.20	10.4	ug/L
95-95-4	2,4,5-Trichlorophenol	10.4	U	3.30	10.4	ug/L
92-52-4	1,1-Biphenyl	20.6		3.70	10.4	ug/L
91-58-7	2-Chloronaphthalene	10.4	U	3.30	10.4	ug/L
88-74-4	2-Nitroaniline	10.4	U	4.90	10.4	ug/L
131-11-3	Dimethylphthalate	10.4	U	3.90	10.4	ug/L
208-96-8	Acenaphthylene	10.4	U	4.50	10.4	ug/L
606-20-2	2,6-Dinitrotoluene	10.4	U	4.40	10.4	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-14	SDG No.:	O5829
Lab Sample ID:	O5829-10	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	480 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060060.D	1	12/14/23 11:25	12/16/23 08:03	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10.4	U	4.90	10.4	ug/L
83-32-9	Acenaphthene	75.0		3.60	10.4	ug/L
51-28-5	2,4-Dinitrophenol	20.8	U	11.4	20.8	ug/L
100-02-7	4-Nitrophenol	20.8	U	5.80	20.8	ug/L
132-64-9	Dibenzofuran	10.4	U	3.30	10.4	ug/L
121-14-2	2,4-Dinitrotoluene	10.4	U	5.30	10.4	ug/L
84-66-2	Diethylphthalate	10.4	U	4.30	10.4	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10.4	U	4.60	10.4	ug/L
86-73-7	Fluorene	25.6		4.30	10.4	ug/L
100-01-6	4-Nitroaniline	10.4	U	4.90	10.4	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	20.8	U	3.80	20.8	ug/L
86-30-6	n-Nitrosodiphenylamine	10.4	U	4.10	10.4	ug/L
101-55-3	4-Bromophenyl-phenylether	10.4	U	4.10	10.4	ug/L
118-74-1	Hexachlorobenzene	10.4	U	4.00	10.4	ug/L
1912-24-9	Atrazine	10.4	U	7.30	10.4	ug/L
87-86-5	Pentachlorophenol	20.8	U	5.30	20.8	ug/L
85-01-8	Phenanthrene	47.6		4.20	10.4	ug/L
120-12-7	Anthracene	8.70	J	4.80	10.4	ug/L
86-74-8	Carbazole	10.4	U	3.50	10.4	ug/L
84-74-2	Di-n-butylphthalate	10.4	U	5.00	10.4	ug/L
206-44-0	Fluoranthene	10.4	U	4.30	10.4	ug/L
129-00-0	Pyrene	7.00	J	3.90	10.4	ug/L
85-68-7	Butylbenzylphthalate	10.4	U	5.80	10.4	ug/L
91-94-1	3,3-Dichlorobenzidine	20.8	U	11.2	20.8	ug/L
56-55-3	Benzo(a)anthracene	10.4	U	3.00	10.4	ug/L
218-01-9	Chrysene	10.4	U	3.30	10.4	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	10.4	U	6.10	10.4	ug/L
117-84-0	Di-n-octyl phthalate	20.8	U	6.50	20.8	ug/L
205-99-2	Benzo(b)fluoranthene	10.4	U	3.10	10.4	ug/L
207-08-9	Benzo(k)fluoranthene	10.4	U	3.90	10.4	ug/L
50-32-8	Benzo(a)pyrene	10.4	U	5.60	10.4	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.4	U	4.40	10.4	ug/L
53-70-3	Dibenzo(a,h)anthracene	10.4	U	4.10	10.4	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-14	SDG No.:	O5829
Lab Sample ID:	O5829-10	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	480 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060060.D	1	12/14/23 11:25	12/16/23 08:03	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10.4	U	4.00	10.4	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.4	U	4.30	10.4	ug/L
123-91-1	1,4-Dioxane	10.4	U	5.10	10.4	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	10.4	U	2.70	10.4	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	77.0		10 - 139	51%	SPK: 150
13127-88-3	Phenol-d6	57.1		10 - 134	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.7		49 - 133	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.3		52 - 132	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		32 - 145	97%	SPK: 150
1718-51-0	Terphenyl-d14	84.8		36 - 145	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	63300	7.959			
1146-65-2	Naphthalene-d8	276000	10.767			
15067-26-2	Acenaphthene-d10	227000	14.592			
1517-22-2	Phenanthrene-d10	710000	17.342			
1719-03-5	Chrysene-d12	842000	21.607			
1520-96-3	Perylene-d12	989000	24.798			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	54.6	J		3.13	ug/L
000108-67-8	Mesitylene	85.0	J		7.34	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	320	J		7.61	ug/L
000095-63-6	Benzene, 1,2,4-trimethyl-	130	J		8.07	ug/L
000496-11-7	Indane	230	J		8.34	ug/L
000135-01-3	Benzene, 1,2-diethyl-	35.9	J		8.45	ug/L
000105-05-5	Benzene, 1,4-diethyl-	48.6	J		8.59	ug/L
000099-87-6	p-Cymene	29.3	J		8.90	ug/L
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	59.9	J		9.06	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	45.3	J		9.64	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	65.7	J		10.0	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	99.2	J		10.2	ug/L
000767-59-9	1H-Indene, 1-methyl-	190	J		10.3	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-14	SDG No.:	O5829
Lab Sample ID:	O5829-10	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	480	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3510C	Level :	LOW
		Final Vol:	1000
		Test:	SVOCMS Group1
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060060.D	1	12/14/23 11:25	12/16/23 08:03	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000612-17-9	1,4-Dihydronaphthalene	39.5	J		10.5	ug/L
002717-44-4	Naphthalene, 1,2-dihydro-3-methyl-	28.1	J		11.9	ug/L
006974-97-6	1H-Indene, 4,7-dimethyl-	40.6	J		12.0	ug/L
002177-48-2	1H-Indene, 1,3-dimethyl-	21.0	J		12.3	ug/L
90-12-0	1-Methylnaphthalene	320	J		12.6	ug/L
001127-76-0	Naphthalene, 1-ethyl-	28.5	J		13.6	ug/L
000571-61-9	Naphthalene, 1,5-dimethyl-	40.2	J		13.9	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-14DL	SDG No.:	O5829
Lab Sample ID:	O5829-10DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	480 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060089.D	10	12/14/23 11:25	12/19/23 17:27	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	210	UD	68.3	210	ug/L
108-95-2	Phenol	100	UD	30.8	100	ug/L
111-44-4	bis(2-Chloroethyl)ether	100	UD	34.4	100	ug/L
95-57-8	2-Chlorophenol	100	UD	28.1	100	ug/L
95-48-7	2-Methylphenol	100	UD	42.9	100	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	100	UD	47.1	100	ug/L
98-86-2	Acetophenone	100	UD	37.3	100	ug/L
65794-96-9	3+4-Methylphenols	210	UD	45.0	210	ug/L
621-64-7	n-Nitroso-di-n-propylamine	52.1	UD	41.3	52.1	ug/L
67-72-1	Hexachloroethane	100	UDQ	34.2	100	ug/L
98-95-3	Nitrobenzene	100	UD	35.8	100	ug/L
78-59-1	Isophorone	100	UD	35.6	100	ug/L
88-75-5	2-Nitrophenol	100	UD	49.6	100	ug/L
105-67-9	2,4-Dimethylphenol	100	UD	61.7	100	ug/L
111-91-1	bis(2-Chloroethoxy)methane	100	UD	42.5	100	ug/L
120-83-2	2,4-Dichlorophenol	100	UD	35.2	100	ug/L
91-20-3	Naphthalene	1900	ED	35.2	100	ug/L
106-47-8	4-Chloroaniline	100	UD	52.9	100	ug/L
87-68-3	Hexachlorobutadiene	100	UD	40.2	100	ug/L
105-60-2	Caprolactam	210	UD	71.5	210	ug/L
59-50-7	4-Chloro-3-methylphenol	100	UD	36.5	100	ug/L
91-57-6	2-Methylnaphthalene	330	D	46.5	100	ug/L
77-47-4	Hexachlorocyclopentadiene	210	UD	120	210	ug/L
88-06-2	2,4,6-Trichlorophenol	100	UD	31.7	100	ug/L
95-95-4	2,4,5-Trichlorophenol	100	UD	32.7	100	ug/L
92-52-4	1,1-Biphenyl	100	UD	37.3	100	ug/L
91-58-7	2-Chloronaphthalene	100	UD	33.1	100	ug/L
88-74-4	2-Nitroaniline	100	UD	49.4	100	ug/L
131-11-3	Dimethylphthalate	100	UD	39.2	100	ug/L
208-96-8	Acenaphthylene	100	UD	44.6	100	ug/L
606-20-2	2,6-Dinitrotoluene	100	UD	43.8	100	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-14DL	SDG No.:	O5829
Lab Sample ID:	O5829-10DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	480 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060089.D	10	12/14/23 11:25	12/19/23 17:27	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	100	UD	49.2	100	ug/L
83-32-9	Acenaphthene	91.3	JD	35.8	100	ug/L
51-28-5	2,4-Dinitrophenol	210	UD	110	210	ug/L
100-02-7	4-Nitrophenol	210	UD	58.3	210	ug/L
132-64-9	Dibenzofuran	100	UD	32.9	100	ug/L
121-14-2	2,4-Dinitrotoluene	100	UD	52.9	100	ug/L
84-66-2	Diethylphthalate	100	UD	42.7	100	ug/L
7005-72-3	4-Chlorophenyl-phenylether	100	UD	46.3	100	ug/L
86-73-7	Fluorene	100	UD	42.5	100	ug/L
100-01-6	4-Nitroaniline	100	UD	48.8	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	210	UD	37.5	210	ug/L
86-30-6	n-Nitrosodiphenylamine	100	UD	40.6	100	ug/L
101-55-3	4-Bromophenyl-phenylether	100	UD	40.6	100	ug/L
118-74-1	Hexachlorobenzene	100	UD	39.8	100	ug/L
1912-24-9	Atrazine	100	UD	72.9	100	ug/L
87-86-5	Pentachlorophenol	210	UD	53.1	210	ug/L
85-01-8	Phenanthrene	57.1	JD	41.7	100	ug/L
120-12-7	Anthracene	100	UD	47.5	100	ug/L
86-74-8	Carbazole	100	UD	35.4	100	ug/L
84-74-2	Di-n-butylphthalate	100	UD	50.0	100	ug/L
206-44-0	Fluoranthene	100	UD	42.7	100	ug/L
129-00-0	Pyrene	100	UD	39.4	100	ug/L
85-68-7	Butylbenzylphthalate	100	UD	58.3	100	ug/L
91-94-1	3,3-Dichlorobenzidine	210	UD	110	210	ug/L
56-55-3	Benzo(a)anthracene	100	UD	30.2	100	ug/L
218-01-9	Chrysene	100	UD	32.7	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	100	UD	61.0	100	ug/L
117-84-0	Di-n-octyl phthalate	210	UD	65.2	210	ug/L
205-99-2	Benzo(b)fluoranthene	100	UD	31.3	100	ug/L
207-08-9	Benzo(k)fluoranthene	100	UD	39.0	100	ug/L
50-32-8	Benzo(a)pyrene	100	UD	56.3	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	100	UD	43.5	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	100	UD	41.3	100	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-14DL	SDG No.:	O5829
Lab Sample ID:	O5829-10DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	480 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060089.D	10	12/14/23 11:25	12/19/23 17:27	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	100	UD	40.2	100	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	100	UD	42.9	100	ug/L
123-91-1	1,4-Dioxane	100	UD	50.8	100	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	100	UD	27.3	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	71.6		10 - 139	48%	SPK: 150
13127-88-3	Phenol-d6	55.3		10 - 134	37%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		49 - 133	106%	SPK: 100
321-60-8	2-Fluorobiphenyl	117		52 - 132	117%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172		32 - 145	115%	SPK: 150
1718-51-0	Terphenyl-d14	136		36 - 145	136%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	61200	7.951			
1146-65-2	Naphthalene-d8	225000	10.759			
15067-26-2	Acenaphthene-d10	203000	14.59			
1517-22-2	Phenanthrene-d10	574000	17.34			
1719-03-5	Chrysene-d12	585000	21.611			
1520-96-3	Perylene-d12	688000	24.802			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-14DL2	SDG No.:	O5829
Lab Sample ID:	O5829-10DL2	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	480 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060106.D	20	12/14/23 11:25	12/20/23 19:52	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	420	UD	140	420	ug/L
108-95-2	Phenol	210	UD	61.7	210	ug/L
111-44-4	bis(2-Chloroethyl)ether	210	UD	68.8	210	ug/L
95-57-8	2-Chlorophenol	210	UD	56.3	210	ug/L
95-48-7	2-Methylphenol	210	UD	85.8	210	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	210	UD	94.2	210	ug/L
98-86-2	Acetophenone	210	UD	74.6	210	ug/L
65794-96-9	3+4-Methylphenols	420	UD	90.0	420	ug/L
621-64-7	n-Nitroso-di-n-propylamine	100	UD	82.5	100	ug/L
67-72-1	Hexachloroethane	210	UDQ	68.3	210	ug/L
98-95-3	Nitrobenzene	210	UD	71.7	210	ug/L
78-59-1	Isophorone	210	UD	71.3	210	ug/L
88-75-5	2-Nitrophenol	210	UD	99.2	210	ug/L
105-67-9	2,4-Dimethylphenol	210	UD	120	210	ug/L
111-91-1	bis(2-Chloroethoxy)methane	210	UD	85.0	210	ug/L
120-83-2	2,4-Dichlorophenol	210	UD	70.4	210	ug/L
91-20-3	Naphthalene	1700	D	70.4	210	ug/L
106-47-8	4-Chloroaniline	210	UD	110	210	ug/L
87-68-3	Hexachlorobutadiene	210	UD	80.4	210	ug/L
105-60-2	Caprolactam	420	UD	140	420	ug/L
59-50-7	4-Chloro-3-methylphenol	210	UD	72.9	210	ug/L
91-57-6	2-Methylnaphthalene	330	D	92.9	210	ug/L
77-47-4	Hexachlorocyclopentadiene	420	UD	240	420	ug/L
88-06-2	2,4,6-Trichlorophenol	210	UD	63.3	210	ug/L
95-95-4	2,4,5-Trichlorophenol	210	UD	65.4	210	ug/L
92-52-4	1,1-Biphenyl	210	UD	74.6	210	ug/L
91-58-7	2-Chloronaphthalene	210	UD	66.3	210	ug/L
88-74-4	2-Nitroaniline	210	UD	98.8	210	ug/L
131-11-3	Dimethylphthalate	210	UD	78.3	210	ug/L
208-96-8	Acenaphthylene	210	UD	89.2	210	ug/L
606-20-2	2,6-Dinitrotoluene	210	UD	87.5	210	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-14DL2	SDG No.:	O5829
Lab Sample ID:	O5829-10DL2	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	480 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060106.D	20	12/14/23 11:25	12/20/23 19:52	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	210	UD	98.3	210	ug/L
83-32-9	Acenaphthene	87.5	JD	71.7	210	ug/L
51-28-5	2,4-Dinitrophenol	420	UD	230	420	ug/L
100-02-7	4-Nitrophenol	420	UD	120	420	ug/L
132-64-9	Dibenzofuran	210	UD	65.8	210	ug/L
121-14-2	2,4-Dinitrotoluene	210	UD	110	210	ug/L
84-66-2	Diethylphthalate	210	UD	85.4	210	ug/L
7005-72-3	4-Chlorophenyl-phenylether	210	UD	92.5	210	ug/L
86-73-7	Fluorene	210	UD	85.0	210	ug/L
100-01-6	4-Nitroaniline	210	UD	97.5	210	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	420	UD	75.0	420	ug/L
86-30-6	n-Nitrosodiphenylamine	210	UD	81.3	210	ug/L
101-55-3	4-Bromophenyl-phenylether	210	UD	81.3	210	ug/L
118-74-1	Hexachlorobenzene	210	UD	79.6	210	ug/L
1912-24-9	Atrazine	210	UD	150	210	ug/L
87-86-5	Pentachlorophenol	420	UD	110	420	ug/L
85-01-8	Phenanthrene	210	UD	83.3	210	ug/L
120-12-7	Anthracene	210	UD	95.0	210	ug/L
86-74-8	Carbazole	210	UD	70.8	210	ug/L
84-74-2	Di-n-butylphthalate	210	UD	100	210	ug/L
206-44-0	Fluoranthene	210	UD	85.4	210	ug/L
129-00-0	Pyrene	210	UD	78.8	210	ug/L
85-68-7	Butylbenzylphthalate	210	UD	120	210	ug/L
91-94-1	3,3-Dichlorobenzidine	420	UD	220	420	ug/L
56-55-3	Benzo(a)anthracene	210	UD	60.4	210	ug/L
218-01-9	Chrysene	210	UD	65.4	210	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	210	UD	120	210	ug/L
117-84-0	Di-n-octyl phthalate	420	UD	130	420	ug/L
205-99-2	Benzo(b)fluoranthene	210	UD	62.5	210	ug/L
207-08-9	Benzo(k)fluoranthene	210	UD	77.9	210	ug/L
50-32-8	Benzo(a)pyrene	210	UD	110	210	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	210	UD	87.1	210	ug/L
53-70-3	Dibenzo(a,h)anthracene	210	UD	82.5	210	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	12/13/23	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	12/13/23	
Client Sample ID:	MW-14DL2		SDG No.:	O5829	
Lab Sample ID:	O5829-10DL2		Matrix:	Water	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	480	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060106.D	20	12/14/23 11:25	12/20/23 19:52	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	210	UD	80.4	210	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	210	UD	85.8	210	ug/L
123-91-1	1,4-Dioxane	210	UD	100	210	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	210	UD	54.6	210	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	64.8		10 - 139	43%	SPK: 150
13127-88-3	Phenol-d6	58.1		10 - 134	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	111		49 - 133	111%	SPK: 100
321-60-8	2-Fluorobiphenyl	104		52 - 132	104%	SPK: 100
118-79-6	2,4,6-Tribromophenol	199		32 - 145	132%	SPK: 150
1718-51-0	Terphenyl-d14	123		36 - 145	123%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	28500	7.941			
1146-65-2	Naphthalene-d8	110000	10.75			
15067-26-2	Acenaphthene-d10	126000	14.587			
1517-22-2	Phenanthrene-d10	474000	17.33			
1719-03-5	Chrysene-d12	653000	21.602			
1520-96-3	Perylene-d12	753000	24.786			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-12	SDG No.:	O5829
Lab Sample ID:	O5829-11	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060039.D	1	12/14/23 11:25	12/15/23 17:11	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10.0	U	3.30	10.0	ug/L
108-95-2	Phenol	5.00	U	1.50	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.00	U	1.70	5.00	ug/L
95-57-8	2-Chlorophenol	5.00	U	1.40	5.00	ug/L
95-48-7	2-Methylphenol	5.00	U	2.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.00	U	2.30	5.00	ug/L
98-86-2	Acetophenone	5.00	U	1.80	5.00	ug/L
65794-96-9	3+4-Methylphenols	10.0	U	2.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	2.00	2.50	ug/L
67-72-1	Hexachloroethane	5.00	UQ	1.60	5.00	ug/L
98-95-3	Nitrobenzene	5.00	U	1.70	5.00	ug/L
78-59-1	Isophorone	5.00	U	1.70	5.00	ug/L
88-75-5	2-Nitrophenol	5.00	U	2.40	5.00	ug/L
105-67-9	2,4-Dimethylphenol	5.00	U	3.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.00	U	2.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	5.00	U	1.70	5.00	ug/L
91-20-3	Naphthalene	49.7		1.70	5.00	ug/L
106-47-8	4-Chloroaniline	5.00	U	2.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	5.00	U	1.90	5.00	ug/L
105-60-2	Caprolactam	10.0	U	3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	5.00	U	1.80	5.00	ug/L
91-57-6	2-Methylnaphthalene	5.00	U	2.20	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	10.0	U	5.70	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.00	U	1.50	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	5.00	U	1.60	5.00	ug/L
92-52-4	1,1-Biphenyl	3.60	J	1.80	5.00	ug/L
91-58-7	2-Chloronaphthalene	5.00	U	1.60	5.00	ug/L
88-74-4	2-Nitroaniline	5.00	U	2.40	5.00	ug/L
131-11-3	Dimethylphthalate	5.00	U	1.90	5.00	ug/L
208-96-8	Acenaphthylene	5.00	U	2.10	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	5.00	U	2.10	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-12	SDG No.:	O5829
Lab Sample ID:	O5829-11	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060039.D	1	12/14/23 11:25	12/15/23 17:11	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5.00	U	2.40	5.00	ug/L
83-32-9	Acenaphthene	23.8		1.70	5.00	ug/L
51-28-5	2,4-Dinitrophenol	10.0	U	5.50	10.0	ug/L
100-02-7	4-Nitrophenol	10.0	U	2.80	10.0	ug/L
132-64-9	Dibenzofuran	5.00	U	1.60	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	5.00	U	2.50	5.00	ug/L
84-66-2	Diethylphthalate	5.00	U	2.10	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.00	U	2.20	5.00	ug/L
86-73-7	Fluorene	7.20		2.00	5.00	ug/L
100-01-6	4-Nitroaniline	5.00	U	2.30	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U	1.80	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	5.00	U	2.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	5.00	U	2.00	5.00	ug/L
118-74-1	Hexachlorobenzene	5.00	U	1.90	5.00	ug/L
1912-24-9	Atrazine	5.00	U	3.50	5.00	ug/L
87-86-5	Pentachlorophenol	10.0	U	2.60	10.0	ug/L
85-01-8	Phenanthrene	7.60		2.00	5.00	ug/L
120-12-7	Anthracene	5.00	U	2.30	5.00	ug/L
86-74-8	Carbazole	5.00	U	1.70	5.00	ug/L
84-74-2	Di-n-butylphthalate	5.00	U	2.40	5.00	ug/L
206-44-0	Fluoranthene	5.00	U	2.10	5.00	ug/L
129-00-0	Pyrene	5.00	U	1.90	5.00	ug/L
85-68-7	Butylbenzylphthalate	5.00	U	2.80	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	10.0	U	5.40	10.0	ug/L
56-55-3	Benzo(a)anthracene	5.00	U	1.50	5.00	ug/L
218-01-9	Chrysene	5.00	U	1.60	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.00	U	2.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	10.0	U	3.10	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	5.00	U	1.50	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	5.00	U	1.90	5.00	ug/L
50-32-8	Benzo(a)pyrene	5.00	U	2.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	2.10	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.00	U	2.00	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-12	SDG No.:	O5829
Lab Sample ID:	O5829-11	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060039.D	1	12/14/23 11:25	12/15/23 17:11	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5.00	U	1.90	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.00	U	2.10	5.00	ug/L
123-91-1	1,4-Dioxane	5.00	U	2.40	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.00	U	1.30	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	45.0		10 - 139	30%	SPK: 150
13127-88-3	Phenol-d6	27.2		10 - 134	18%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.1		49 - 133	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.9		52 - 132	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		32 - 145	91%	SPK: 150
1718-51-0	Terphenyl-d14	81.1		36 - 145	81%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	67100	7.961			
1146-65-2	Naphthalene-d8	249000	10.764			
15067-26-2	Acenaphthene-d10	195000	14.595			
1517-22-2	Phenanthrene-d10	601000	17.344			
1719-03-5	Chrysene-d12	748000	21.61			
1520-96-3	Perylene-d12	868000	24.806			

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	38.2	J		3.14	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	42.0	J		7.35	ug/L
000108-67-8	Mesitylene	21.4	J		7.60	ug/L
000095-63-6	Benzene, 1,2,4-trimethyl-	35.1	J		8.07	ug/L
000496-11-7	Indane	29.9	J		8.33	ug/L
000105-05-5	Benzene, 1,4-diethyl-	7.50	J		8.45	ug/L
000673-32-5	Benzene, 1-propynyl-	13.1	J		8.50	ug/L
000135-01-3	Benzene, 1,2-diethyl-	7.30	J		8.60	ug/L
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	7.60	J		8.91	ug/L
000527-84-4	o-Cymene	7.50	J		9.65	ug/L
000767-59-9	1H-Indene, 1-methyl-	37.4	J		10.2	ug/L
000622-76-4	Benzene, 1-butyryl-	24.1	J		10.3	ug/L
006974-97-6	1H-Indene, 4,7-dimethyl-	9.40	J		12.0	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-12	SDG No.:	O5829
Lab Sample ID:	O5829-11	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060039.D	1	12/14/23 11:25	12/15/23 17:11	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
90-12-0	1-Methylnaphthalene	60.9	J		12.6	ug/L
000573-98-8	Naphthalene, 1,2-dimethyl-	6.10	J		13.6	ug/L
000575-43-9	Naphthalene, 1,6-dimethyl-	8.30	J		13.8	ug/L
000582-16-1	Naphthalene, 2,7-dimethyl-	15.0	J		13.9	ug/L
001127-76-0	Naphthalene, 1-ethyl-	7.30	J		14.1	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SW-846

SDG No.: O5829

Client: D&B Engineers and Architects, P.C.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
O5829-01	MW-3	2-Fluorophenol	150	44.1	29		10	139
		Phenol-d6	150	25.9	17		10	134
		Nitrobenzene-d5	100	88.0	88		49	133
		2-Fluorobiphenyl	100	88.8	89		52	132
		2,4,6-Tribromophenol	150	163	108		32	145
		Terphenyl-d14	100	94.1	94		36	145
O5829-02	MW-4	2-Fluorophenol	150	44.7	30		10	139
		Phenol-d6	150	26.2	17		10	134
		Nitrobenzene-d5	100	79.1	79		49	133
		2-Fluorobiphenyl	100	80.4	80		52	132
		2,4,6-Tribromophenol	150	126	84		32	145
		Terphenyl-d14	100	82.5	83		36	145
O5829-05	MW-2	2-Fluorophenol	150	39.4	26		10	139
		Phenol-d6	150	23.3	16		10	134
		Nitrobenzene-d5	100	73.6	74		49	133
		2-Fluorobiphenyl	100	76.5	77		52	132
		2,4,6-Tribromophenol	150	123	82		32	145
		Terphenyl-d14	100	80.3	80		36	145
O5829-05DL	MW-2DL	2-Fluorophenol	150	32.0	21		10	139
		Phenol-d6	150	19.7	13		10	134
		Nitrobenzene-d5	100	80.2	80		49	133
		2-Fluorobiphenyl	100	87.2	87		52	132
		2,4,6-Tribromophenol	150	133	88		32	145
		Terphenyl-d14	100	105	105		36	145
O5829-10	MW-14	2-Fluorophenol	150	77.0	51		10	139
		Phenol-d6	150	57.1	38		10	134
		Nitrobenzene-d5	100	75.7	76		49	133
		2-Fluorobiphenyl	100	83.3	83		52	132
		2,4,6-Tribromophenol	150	146	97		32	145
		Terphenyl-d14	100	84.8	85		36	145
O5829-10DL	MW-14DL	2-Fluorophenol	150	71.6	48		10	139
		Phenol-d6	150	55.3	37		10	134
		Nitrobenzene-d5	100	106	106		49	133
		2-Fluorobiphenyl	100	117	117		52	132
		2,4,6-Tribromophenol	150	172	115		32	145
		Terphenyl-d14	100	136	136		36	145
O5829-10DL2	MW-14DL2	2-Fluorophenol	150	64.8	43		10	139
		Phenol-d6	150	58.1	39		10	134
		Nitrobenzene-d5	100	111	111		49	133
		2-Fluorobiphenyl	100	104	104		52	132
		2,4,6-Tribromophenol	150	199	132		32	145
		Terphenyl-d14	100	123	123		36	145
O5829-11	MW-12	2-Fluorophenol	150	45.0	30		10	139
		Phenol-d6	150	27.2	18		10	134
		Nitrobenzene-d5	100	83.1	83		49	133
		2-Fluorobiphenyl	100	88.9	89		52	132
		2,4,6-Tribromophenol	150	136	91		32	145
		Terphenyl-d14	100	81.1	81		36	145
PB157801BL	PB157801BL	2-Fluorophenol	150	117	78		10	139
		Phenol-d6	150	115	77		10	134
		Nitrobenzene-d5	100	77.1	77		49	133
		2-Fluorobiphenyl	100	77.9	78		52	132

Surrogate Summary

SW-846

SDG No.: O5829

Client: D&B Engineers and Architects, P.C.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB157801BL	PB157801BL	2,4,6-Tribromophenol	150	112	74		32	145
		Terphenyl-d14	100	79.1	79		36	145
PB157801BS	PB157801BS	2-Fluorophenol	150	114	76		10	139
		Phenol-d6	150	111	74		10	134
		Nitrobenzene-d5	100	70.7	71		49	133
		2-Fluorobiphenyl	100	71.0	71		52	132
		2,4,6-Tribromophenol	150	112	75		32	145
PB157801BSD	PB157801BSD	Terphenyl-d14	100	81.1	81		36	145
		2-Fluorophenol	150	111	74		10	139
		Phenol-d6	150	107	72		10	134
		Nitrobenzene-d5	100	71.3	71		49	133
		2-Fluorobiphenyl	100	70.0	70		52	132
		2,4,6-Tribromophenol	150	110	74		32	145
		Terphenyl-d14	100	81.0	81		36	145

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: O5829

Client: D&B Engineers and Architects, P.C.

Analytical Method: 8270E

DataFile: BF136612.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB157801BS	Benzaldehyde	50	17.1	ug/L	34				15	121	
	Phenol	50	37.8	ug/L	76				66	118	
	bis(2-Chloroethyl)ether	50	41.1	ug/L	82				62	103	
	2-Chlorophenol	50	41.6	ug/L	83				70	117	
	2-Methylphenol	50	40.8	ug/L	82				69	109	
	2,2-oxybis(1-Chloropropane)	50	36.8	ug/L	74				52	103	
	Acetophenone	50	38.6	ug/L	77				60	104	
	3+4-Methylphenols	50	40.0	ug/L	80				67	106	
	N-Nitroso-di-n-propylamine	50	39.8	ug/L	80				57	107	
	Hexachloroethane	50	38.8	ug/L	78				76	118	
	Nitrobenzene	50	35.8	ug/L	72				58	106	
	Isophorone	50	38.0	ug/L	76				61	102	
	2-Nitrophenol	50	41.7	ug/L	83				70	115	
	2,4-Dimethylphenol	50	50.8	ug/L	102				67	130	
	bis(2-Chloroethoxy)methane	50	38.8	ug/L	78				58	109	
	2,4-Dichlorophenol	50	39.9	ug/L	80				66	115	
	Naphthalene	50	37.0	ug/L	74				64	107	
	4-Chloroaniline	50	22.8	ug/L	46				10	85	
	Hexachlorobutadiene	50	36.7	ug/L	73				69	101	
	Caprolactam	50	40.7	ug/L	81				58	128	
	4-Chloro-3-methylphenol	50	39.2	ug/L	78				65	114	
	2-Methylnaphthalene	50	37.6	ug/L	75				64	107	
	Hexachlorocyclopentadiene	100	90.5	ug/L	91				36	160	
	2,4,6-Trichlorophenol	50	40.6	ug/L	81				61	110	
	2,4,5-Trichlorophenol	50	39.0	ug/L	78				70	106	
	1,1-Biphenyl	50	37.9	ug/L	76				72	98	
	2-Chloronaphthalene	50	37.5	ug/L	75				59	106	
	2-Nitroaniline	50	39.2	ug/L	78				58	107	
	Dimethylphthalate	50	40.7	ug/L	81				64	103	
	Acenaphthylene	50	39.3	ug/L	79				65	108	
	2,6-Dinitrotoluene	50	39.6	ug/L	79				64	110	
	3-Nitroaniline	50	32.3	ug/L	65				28	100	
	Acenaphthene	50	38.3	ug/L	77				59	113	
	2,4-Dinitrophenol	100	86.1	ug/L	86				64	132	
	4-Nitrophenol	100	77.4	ug/L	77				68	116	
	Dibenzofuran	50	38.0	ug/L	76				65	106	
	2,4-Dinitrotoluene	50	38.4	ug/L	77				60	115	
	Diethylphthalate	50	39.2	ug/L	78				63	105	
	4-Chlorophenyl-phenylether	50	39.1	ug/L	78				61	104	
	Fluorene	50	38.5	ug/L	77				64	107	
	4-Nitroaniline	50	37.0	ug/L	74				69	112	
	4,6-Dinitro-2-methylphenol	50	43.2	ug/L	86				62	132	
	N-Nitrosodiphenylamine	50	40.8	ug/L	82				61	109	
	4-Bromophenyl-phenylether	50	40.3	ug/L	81				73	103	
	Hexachlorobenzene	50	39.4	ug/L	79				73	106	
	Atrazine	50	40.0	ug/L	80				76	120	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5829

Client: D&B Engineers and Architects, P.C.

Analytical Method: 8270E DataFile: BF136612.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB157801BS	Pentachlorophenol	100	62.4	ug/L	62				47	114	
	Phenanthrene	50	39.3	ug/L	79				62	109	
	Anthracene	50	39.7	ug/L	79				65	110	
	Carbazole	50	38.1	ug/L	76				62	106	
	Di-n-butylphthalate	50	40.7	ug/L	81				64	106	
	Fluoranthene	50	37.4	ug/L	75				64	110	
	Pyrene	50	41.6	ug/L	83				71	103	
	Butylbenzylphthalate	50	45.5	ug/L	91				61	105	
	3,3-Dichlorobenzidine	50	43.0	ug/L	86				43	108	
	Benzo(a)anthracene	50	40.5	ug/L	81				62	107	
	Chrysene	50	39.6	ug/L	79				61	108	
	bis(2-Ethylhexyl)phthalate	50	46.7	ug/L	93				59	110	
	Di-n-octyl phthalate	50	47.9	ug/L	96				67	126	
	Benzo(b)fluoranthene	50	45.1	ug/L	90				77	113	
	Benzo(k)fluoranthene	50	40.3	ug/L	81				64	113	
	Benzo(a)pyrene	50	45.3	ug/L	91				72	131	
	Indeno(1,2,3-cd)pyrene	50	51.6	ug/L	103				72	105	
	Dibenz(a,h)anthracene	50	52.6	ug/L	105				78	115	
	Benzo(g,h,i)perylene	50	51.1	ug/L	102				75	118	
	1,2,4,5-Tetrachlorobenzene	50	39.8	ug/L	80				72	101	
	1,4-Dioxane	50	28.6	ug/L	57				38	125	
	2,3,4,6-Tetrachlorophenol	50	40.8	ug/L	82				63	116	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: O5829

Client: D&B Engineers and Architects, P.C.

Analytical Method: 8270E

DataFile: BF136613.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB157801BSD	Benzaldehyde	50	16.5	ug/L	33	4			15	121	20
	Phenol	50	36.8	ug/L	74	3			66	118	20
	bis(2-Chloroethyl)ether	50	39.6	ug/L	79	4			62	103	20
	2-Chlorophenol	50	40.8	ug/L	82	2			70	117	20
	2-Methylphenol	50	39.3	ug/L	79	4			69	109	20
	2,2-oxybis(1-Chloropropane)	50	36.4	ug/L	73	1			52	103	20
	Acetophenone	50	38.1	ug/L	76	1			60	104	20
	3+4-Methylphenols	50	38.0	ug/L	76	5			67	106	20
	N-Nitroso-di-n-propylamine	50	37.9	ug/L	76	5			57	107	20
	Hexachloroethane	50	37.3	ug/L	75	4	*		76	118	20
	Nitrobenzene	50	36.3	ug/L	73	1			58	106	20
	Isophorone	50	37.8	ug/L	76	1			61	102	20
	2-Nitrophenol	50	41.9	ug/L	84	0			70	115	20
	2,4-Dimethylphenol	50	50.2	ug/L	100	1			67	130	20
	bis(2-Chloroethoxy)methane	50	38.5	ug/L	77	1			58	109	20
	2,4-Dichlorophenol	50	39.4	ug/L	79	1			66	115	20
	Naphthalene	50	36.7	ug/L	73	1			64	107	20
	4-Chloroaniline	50	22.8	ug/L	46	0			10	85	20
	Hexachlorobutadiene	50	36.8	ug/L	74	0			69	101	20
	Caprolactam	50	40.2	ug/L	80	1			58	128	20
	4-Chloro-3-methylphenol	50	39.0	ug/L	78	1			65	114	20
	2-Methylnaphthalene	50	37.4	ug/L	75	1			64	107	20
	Hexachlorocyclopentadiene	100	91.0	ug/L	91	1			36	160	20
	2,4,6-Trichlorophenol	50	40.0	ug/L	80	1			61	110	20
	2,4,5-Trichlorophenol	50	38.2	ug/L	76	2			70	106	20
	1,1-Biphenyl	50	37.8	ug/L	76	0			72	98	20
	2-Chloronaphthalene	50	37.1	ug/L	74	1			59	106	20
	2-Nitroaniline	50	38.9	ug/L	78	1			58	107	20
	Dimethylphthalate	50	40.4	ug/L	81	1			64	103	20
	Acenaphthylene	50	39.2	ug/L	78	0			65	108	20
	2,6-Dinitrotoluene	50	38.8	ug/L	78	2			64	110	20
	3-Nitroaniline	50	32.3	ug/L	65	0			28	100	20
	Acenaphthene	50	37.6	ug/L	75	2			59	113	20
	2,4-Dinitrophenol	100	82.5	ug/L	83	4			64	132	20
	4-Nitrophenol	100	74.9	ug/L	75	3			68	116	20
	Dibenzofuran	50	37.4	ug/L	75	2			65	106	20
	2,4-Dinitrotoluene	50	38.4	ug/L	77	0			60	115	20
	Diethylphthalate	50	38.9	ug/L	78	1			63	105	20
	4-Chlorophenyl-phenylether	50	38.7	ug/L	77	1			61	104	20
	Fluorene	50	37.4	ug/L	75	3			64	107	20
	4-Nitroaniline	50	37.4	ug/L	75	1			69	112	20
	4,6-Dinitro-2-methylphenol	50	42.7	ug/L	85	1			62	132	20
	N-Nitrosodiphenylamine	50	41.2	ug/L	82	1			61	109	20
	4-Bromophenyl-phenylether	50	39.4	ug/L	79	2			73	103	20
	Hexachlorobenzene	50	39.5	ug/L	79	0			73	106	20
	Atrazine	50	40.4	ug/L	81	1			76	120	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: O5829

Client: D&B Engineers and Architects, P.C.

Analytical Method: 8270E DataFile: BF136613.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB157801BSD	Pentachlorophenol	100	60.7	ug/L	61	3			47	114		20
	Phenanthrene	50	40.0	ug/L	80	2			62	109		20
	Anthracene	50	39.5	ug/L	79	1			65	110		20
	Carbazole	50	38.0	ug/L	76	0			62	106		20
	Di-n-butylphthalate	50	40.2	ug/L	80	1			64	106		20
	Fluoranthene	50	36.6	ug/L	73	2			64	110		20
	Pyrene	50	41.8	ug/L	84	0			71	103		20
	Butylbenzylphthalate	50	44.8	ug/L	90	2			61	105		20
	3,3-Dichlorobenzidine	50	42.1	ug/L	84	2			43	108		20
	Benzo(a)anthracene	50	40.6	ug/L	81	0			62	107		20
	Chrysene	50	39.0	ug/L	78	2			61	108		20
	bis(2-Ethylhexyl)phthalate	50	46.1	ug/L	92	1			59	110		20
	Di-n-octyl phthalate	50	47.4	ug/L	95	1			67	126		20
	Benzo(b)fluoranthene	50	42.5	ug/L	85	6			77	113		20
	Benzo(k)fluoranthene	50	42.8	ug/L	86	6			64	113		20
	Benzo(a)pyrene	50	44.8	ug/L	90	1			72	131		20
	Indeno(1,2,3-cd)pyrene	50	50.5	ug/L	101	2			72	105		20
	Dibenz(a,h)anthracene	50	52.3	ug/L	105	1			78	115		20
	Benzo(g,h,i)perylene	50	49.7	ug/L	99	3			75	118		20
	1,2,4,5-Tetrachlorobenzene	50	39.5	ug/L	79	1			72	101		20
	1,4-Dioxane	50	28.6	ug/L	57	0			38	125		20
	2,3,4,6-Tetrachlorophenol	50	40.5	ug/L	81	1			63	116		20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB157801BL

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM Case No.: O5829

SAS No.: O5829 SDG NO.: O5829

Lab File ID: BF136611.D

Lab Sample ID: PB157801BL

Instrument ID: BNA_F

Date Extracted: 12/14/2023

Matrix: (soil/water) Water

Date Analyzed: 12/18/2023

Level: (low/med) LOW

Time Analyzed: 13:21

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB157801BS	PB157801BS	BF136612.D	12/18/2023
PB157801BSD	PB157801BSD	BF136613.D	12/18/2023
MW-4	O5829-02	BG060054.D	12/16/2023
MW-2	O5829-05	BG060056.D	12/16/2023
MW-14	O5829-10	BG060060.D	12/16/2023
MW-12	O5829-11	BG060039.D	12/15/2023
MW-3	O5829-01	BG060087.D	12/19/2023

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM

SAS No.: O5829 SDG NO.: O5829

Lab File ID: BF136401.D

DFTPP Injection Date: 12/05/2023

Instrument ID: BNA_F

DFTPP Injection Time: 12:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.7
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	30.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	43.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	19.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.3 (18.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF136402.D	12/05/2023	12:56
SSTDICC005	SSTDICC005	BF136403.D	12/05/2023	13:27
SSTDICC010	SSTDICC010	BF136404.D	12/05/2023	13:58
SSTDICC020	SSTDICC020	BF136405.D	12/05/2023	14:30
SSTDICC050	SSTDICC050	BF136407.D	12/05/2023	15:33
SSTDICCC040	SSTDICCC040	BF136408.D	12/05/2023	16:05
SSTDICC060	SSTDICC060	BF136409.D	12/05/2023	16:37
SSTDICC080	SSTDICC080	BF136410.D	12/05/2023	17:09

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM

SAS No.: O5829 SDG NO.: O5829

Lab File ID: BF136606.D

DFTPP Injection Date: 12/18/2023

Instrument ID: BNA_F

DFTPP Injection Time: 10:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.4
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	29.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	44.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	17.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF136607.D	12/18/2023	11:14
PB157801BL	PB157801BL	BF136611.D	12/18/2023	13:21
PB157801BS	PB157801BS	BF136612.D	12/18/2023	13:53
PB157801BSD	PB157801BSD	BF136613.D	12/18/2023	14:24

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM

SAS No.: O5829 SDG NO.: O5829

Lab File ID: BG059991.D

DFTPP Injection Date: 12/13/2023

Instrument ID: BNA_G

DFTPP Injection Time: 10:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.9
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	31
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	28.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 60.0% of mass 198	36.4
365	Greater than 1% of mass 198	6.4
441	Present, but less than mass 443	21.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.9 (19.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG059992.D	12/13/2023	11:59
SSTDICC005	SSTDICC005	BG059993.D	12/13/2023	12:40
SSTDICC010	SSTDICC010	BG059994.D	12/13/2023	13:20
SSTDICC020	SSTDICC020	BG059995.D	12/13/2023	14:01
SSTDICCC040	SSTDICCC040	BG059996.D	12/13/2023	14:42
SSTDICC050	SSTDICC050	BG059997.D	12/13/2023	15:22
SSTDICC060	SSTDICC060	BG059998.D	12/13/2023	16:03
SSTDICC080	SSTDICC080	BG059999.D	12/13/2023	16:43

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM

SAS No.: O5829 SDG NO.: O5829

Lab File ID: BG060028.D

DFTPP Injection Date: 12/15/2023

Instrument ID: BNA_G

DFTPP Injection Time: 09:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.0
68	Less than 2.0% of mass 69	0.2 (0.7) 1
69	Mass 69 relative abundance	29.7
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	27.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	37.4
365	Greater than 1% of mass 198	6.7
441	Present, but less than mass 443	20.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20 (20) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG060029.D	12/15/2023	10:25
MW-12	O5829-11	BG060039.D	12/15/2023	17:11

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM

SAS No.: O5829 SDG NO.: O5829

Lab File ID: BG060045.D

DFTPP Injection Date: 12/15/2023

Instrument ID: BNA_G

DFTPP Injection Time: 21:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.2 (0.7) 1
69	Mass 69 relative abundance	31.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	28.0
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	35.9
365	Greater than 1% of mass 198	6.7
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG060046.D	12/15/2023	22:35
MW-4	O5829-02	BG060054.D	12/16/2023	04:01
MW-2	O5829-05	BG060056.D	12/16/2023	05:22
MW-14	O5829-10	BG060060.D	12/16/2023	08:03

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM

SAS No.: O5829 SDG NO.: O5829

Lab File ID: BG060081.D

DFTPP Injection Date: 12/19/2023

Instrument ID: BNA_G

DFTPP Injection Time: 11:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.7
68	Less than 2.0% of mass 69	0.2 (1) 1
69	Mass 69 relative abundance	28.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	26.0
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.6
275	10.0 - 60.0% of mass 198	41.0
365	Greater than 1% of mass 198	8.3
441	Present, but less than mass 443	24.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20.2 (20.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG060082.D	12/19/2023	12:39
MW-3	O5829-01	BG060087.D	12/19/2023	16:06
MW-14DL	O5829-10DL	BG060089.D	12/19/2023	17:27
MW-2DL	O5829-05DL	BG060094.D	12/19/2023	20:50

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: DVIR01

Lab Code: CHEM

SAS No.: O5829 SDG NO.: O5829

Lab File ID: BG060103.D

DFTPP Injection Date: 12/20/2023

Instrument ID: BNA_G

DFTPP Injection Time: 17:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.8
68	Less than 2.0% of mass 69	0.1 (0.8) 1
69	Mass 69 relative abundance	27.7
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	25.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.8
275	10.0 - 60.0% of mass 198	41.2
365	Greater than 1% of mass 198	9.4
441	Present, but less than mass 443	24.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG060104.D	12/20/2023	17:44
MW-14DL2	O5829-10DL2	BG060106.D	12/20/2023	19:52

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG NO.: O5829
 EPA Sample No.: SSTDCCC040 Date Analyzed: 12/18/2023
 Lab File ID: BF136607.D Time Analyzed: 11:14
 Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	140143	6.792	558066	8.07	293271	9.83
UPPER LIMIT	280286	7.292	1116130	8.569	586542	10.328
LOWER LIMIT	70071.5	6.292	279033	7.569	146636	9.328
EPA SAMPLE NO.						
01 PB157801BL	118640	6.79	499738	8.06	270034	9.82
02 PB157801BS	138835	6.79	601855	8.07	312192	9.83
03 PB157801BSD	139897	6.79	590724	8.07	308731	9.83

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG NO.: O5829

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/18/2023

Lab File ID: BF136607.D Time Analyzed: 11:14

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	526830	11.322	277889	13.974	259295	15.457
UPPER LIMIT	1053660	11.822	555778	14.474	518590	15.957
LOWER LIMIT	263415	10.822	138945	13.474	129648	14.957
EPA SAMPLE NO.						
01 PB157801BL	515123	11.32	302281	13.97	261247	15.45
02 PB157801BS	578458	11.32	293668	13.97	256770	15.46
03 PB157801BSD	569092	11.32	288301	13.97	250353	15.45

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG NO.: O5829

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/15/2023

Lab File ID: BG060029.D Time Analyzed: 10:25

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	59161	7.96	218865	10.76	181396	14.59
UPPER LIMIT	118322	8.46	437730	11.262	362792	15.093
LOWER LIMIT	29580.5	7.46	109433	10.262	90698	14.093
EPA SAMPLE NO.						
01 MW-12	67081	7.96	248809	10.76	194884	14.60

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG NO.: O5829

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/15/2023

Lab File ID: BG060029.D Time Analyzed: 10:25

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	584235	17.343	768740	21.614	907117	24.799
UPPER LIMIT	1168470	17.843	1537480	22.114	1814230	25.299
LOWER LIMIT	292118	16.843	384370	21.114	453559	24.299
EPA SAMPLE NO.						
01 MW-12	600914	17.34	747953	21.61	867786	24.81

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG NO.: O5829
 EPA Sample No.: SSTDCCC040 Date Analyzed: 12/15/2023
 Lab File ID: BG060046.D Time Analyzed: 22:35
 Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	63905	7.958	280164	10.77	233898	14.59
UPPER LIMIT	127810	8.458	560328	11.266	467796	15.091
LOWER LIMIT	31952.5	7.458	140082	10.266	116949	14.091
EPA SAMPLE NO.						
01 MW-4	69507	7.96	284153	10.76	236125	14.59
02 MW-2	61624	7.96	252945	10.76	220412	14.59
03 MW-14	63338	7.96	276054	10.77	226901	14.59

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: 05829 SAS No.: 05829 SDG NO.: 05829

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/15/2023

Lab File ID: BG060046.D Time Analyzed: 22:35

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	722381	17.341	869262	21.612	996959	24.803
UPPER LIMIT	1444760	17.841	1738520	22.112	1993920	25.303
LOWER LIMIT	361191	16.841	434631	21.112	498480	24.303
EPA SAMPLE NO.						
01 MW-4	709972	17.34	855780	21.61	990219	24.79
02 MW-2	647270	17.34	780069	21.61	889592	24.79
03 MW-14	709952	17.34	842149	21.61	989465	24.80

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG NO.: O5829
 EPA Sample No.: SSTDCCC040 Date Analyzed: 12/19/2023
 Lab File ID: BG060082.D Time Analyzed: 12:39
 Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	43212	7.954	166592	10.76	162814	14.59
UPPER LIMIT	86424	8.454	333184	11.262	325628	15.093
LOWER LIMIT	21606	7.454	83296	10.262	81407	14.093
EPA SAMPLE NO.						
01 MW-3	49768	7.96	174453	10.76	175234	14.59
02 MW-14DL	61213	7.95	225193	10.76	202878	14.59
03 MW-2DL	60592	7.95	229447	10.76	219432	14.59

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: 05829 SAS No.: 05829 SDG NO.: 05829

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/19/2023

Lab File ID: BG060082.D Time Analyzed: 12:39

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	496862	17.343	601585	21.614	650221	24.805
UPPER LIMIT	993724	17.843	1203170	22.114	1300440	25.305
LOWER LIMIT	248431	16.843	300793	21.114	325111	24.305
EPA SAMPLE NO.						
01 MW-3	583675	17.34	622471	21.61	670958	24.80
02 MW-14DL	573705	17.34	585230	21.61	688326	24.80
03 MW-2DL	616758	17.34	650528	21.61	745179	24.79

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG NO.: O5829

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/20/2023

Lab File ID: BG060104.D Time Analyzed: 17:44

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	32710	7.946	124401	10.76	129252	14.59
UPPER LIMIT	65420	8.446	248802	11.255	258504	15.085
LOWER LIMIT	16355	7.446	62200.5	10.255	64626	14.085
EPA SAMPLE NO.						
01 MW-14DL2	28471	7.94	109655	10.75	125609	14.59

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG NO.: O5829

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/20/2023

Lab File ID: BG060104.D Time Analyzed: 17:44

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	431083	17.335	567996	21.607	635863	24.797
UPPER LIMIT	862166	17.835	1135990	22.107	1271730	25.297
LOWER LIMIT	215542	16.835	283998	21.107	317932	24.297
EPA SAMPLE NO.						
01 MW-14DL2	473941	17.33	653021	21.60	752635	24.79

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	PB157801BL		SDG No.:	O5829
Lab Sample ID:	PB157801BL		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136611.D	1	12/14/23 11:25	12/18/23 13:21	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10.0	U	3.30	10.0	ug/L
108-95-2	Phenol	5.00	U	1.50	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.00	U	1.70	5.00	ug/L
95-57-8	2-Chlorophenol	5.00	U	1.40	5.00	ug/L
95-48-7	2-Methylphenol	5.00	U	2.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.00	U	2.30	5.00	ug/L
98-86-2	Acetophenone	5.00	U	1.80	5.00	ug/L
65794-96-9	3+4-Methylphenols	10.0	U	2.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	2.00	2.50	ug/L
67-72-1	Hexachloroethane	5.00	U	1.60	5.00	ug/L
98-95-3	Nitrobenzene	5.00	U	1.70	5.00	ug/L
78-59-1	Isophorone	5.00	U	1.70	5.00	ug/L
88-75-5	2-Nitrophenol	5.00	U	2.40	5.00	ug/L
105-67-9	2,4-Dimethylphenol	5.00	U	3.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.00	U	2.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	5.00	U	1.70	5.00	ug/L
91-20-3	Naphthalene	5.00	U	1.70	5.00	ug/L
106-47-8	4-Chloroaniline	5.00	U	2.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	5.00	U	1.90	5.00	ug/L
105-60-2	Caprolactam	10.0	U	3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	5.00	U	1.80	5.00	ug/L
91-57-6	2-Methylnaphthalene	5.00	U	2.20	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	10.0	U	5.70	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.00	U	1.50	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	5.00	U	1.60	5.00	ug/L
92-52-4	1,1-Biphenyl	5.00	U	1.80	5.00	ug/L
91-58-7	2-Chloronaphthalene	5.00	U	1.60	5.00	ug/L
88-74-4	2-Nitroaniline	5.00	U	2.40	5.00	ug/L
131-11-3	Dimethylphthalate	5.00	U	1.90	5.00	ug/L
208-96-8	Acenaphthylene	5.00	U	2.10	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	5.00	U	2.10	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	
Client Sample ID:	PB157801BL	SDG No.:	O5829
Lab Sample ID:	PB157801BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136611.D	1	12/14/23 11:25	12/18/23 13:21	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5.00	U	2.40	5.00	ug/L
83-32-9	Acenaphthene	5.00	U	1.70	5.00	ug/L
51-28-5	2,4-Dinitrophenol	10.0	U	5.50	10.0	ug/L
100-02-7	4-Nitrophenol	10.0	U	2.80	10.0	ug/L
132-64-9	Dibenzofuran	5.00	U	1.60	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	5.00	U	2.50	5.00	ug/L
84-66-2	Diethylphthalate	5.00	U	2.10	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.00	U	2.20	5.00	ug/L
86-73-7	Fluorene	5.00	U	2.00	5.00	ug/L
100-01-6	4-Nitroaniline	5.00	U	2.30	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U	1.80	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	5.00	U	2.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	5.00	U	2.00	5.00	ug/L
118-74-1	Hexachlorobenzene	5.00	U	1.90	5.00	ug/L
1912-24-9	Atrazine	5.00	U	3.50	5.00	ug/L
87-86-5	Pentachlorophenol	10.0	U	2.60	10.0	ug/L
85-01-8	Phenanthrene	5.00	U	2.00	5.00	ug/L
120-12-7	Anthracene	5.00	U	2.30	5.00	ug/L
86-74-8	Carbazole	5.00	U	1.70	5.00	ug/L
84-74-2	Di-n-butylphthalate	5.00	U	2.40	5.00	ug/L
206-44-0	Fluoranthene	5.00	U	2.10	5.00	ug/L
129-00-0	Pyrene	5.00	U	1.90	5.00	ug/L
85-68-7	Butylbenzylphthalate	5.00	U	2.80	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	10.0	U	5.40	10.0	ug/L
56-55-3	Benzo(a)anthracene	5.00	U	1.50	5.00	ug/L
218-01-9	Chrysene	5.00	U	1.60	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.00	U	2.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	10.0	U	3.10	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	5.00	U	1.50	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	5.00	U	1.90	5.00	ug/L
50-32-8	Benzo(a)pyrene	5.00	U	2.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	2.10	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.00	U	2.00	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	PB157801BL		SDG No.:	O5829
Lab Sample ID:	PB157801BL		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136611.D	1	12/14/23 11:25	12/18/23 13:21	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5.00	U	1.90	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.00	U	2.10	5.00	ug/L
123-91-1	1,4-Dioxane	5.00	U	2.40	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.00	U	1.30	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	117		10 - 139	78%	SPK: 150
13127-88-3	Phenol-d6	115		10 - 134	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.1		49 - 133	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.9		52 - 132	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		32 - 145	74%	SPK: 150
1718-51-0	Terphenyl-d14	79.1		36 - 145	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	119000	6.786			
1146-65-2	Naphthalene-d8	500000	8.063			
15067-26-2	Acenaphthene-d10	270000	9.822			
1517-22-2	Phenanthrene-d10	515000	11.316			
1719-03-5	Chrysene-d12	302000	13.968			
1520-96-3	Perylene-d12	261000	15.451			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	PB157801BS		SDG No.:	O5829
Lab Sample ID:	PB157801BS		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136612.D	1	12/14/23 11:25	12/18/23 13:53	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	17.1		3.30	10.0	ug/L
108-95-2	Phenol	37.8		1.50	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.1		1.70	5.00	ug/L
95-57-8	2-Chlorophenol	41.6		1.40	5.00	ug/L
95-48-7	2-Methylphenol	40.8		2.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	36.8		2.30	5.00	ug/L
98-86-2	Acetophenone	38.6		1.80	5.00	ug/L
65794-96-9	3+4-Methylphenols	40.0		2.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.8		2.00	2.50	ug/L
67-72-1	Hexachloroethane	38.8		1.60	5.00	ug/L
98-95-3	Nitrobenzene	35.8		1.70	5.00	ug/L
78-59-1	Isophorone	38.0		1.70	5.00	ug/L
88-75-5	2-Nitrophenol	41.7		2.40	5.00	ug/L
105-67-9	2,4-Dimethylphenol	50.8		3.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38.8		2.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	39.9		1.70	5.00	ug/L
91-20-3	Naphthalene	37.0		1.70	5.00	ug/L
106-47-8	4-Chloroaniline	22.8		2.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	36.7		1.90	5.00	ug/L
105-60-2	Caprolactam	40.7		3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	39.2		1.80	5.00	ug/L
91-57-6	2-Methylnaphthalene	37.6		2.20	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	90.5	E	5.70	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	40.6		1.50	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	39.0		1.60	5.00	ug/L
92-52-4	1,1-Biphenyl	37.9		1.80	5.00	ug/L
91-58-7	2-Chloronaphthalene	37.5		1.60	5.00	ug/L
88-74-4	2-Nitroaniline	39.2		2.40	5.00	ug/L
131-11-3	Dimethylphthalate	40.7		1.90	5.00	ug/L
208-96-8	Acenaphthylene	39.3		2.10	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	39.6		2.10	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	
Client Sample ID:	PB157801BS	SDG No.:	O5829
Lab Sample ID:	PB157801BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136612.D	1	12/14/23 11:25	12/18/23 13:53	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	32.3		2.40	5.00	ug/L
83-32-9	Acenaphthene	38.3		1.70	5.00	ug/L
51-28-5	2,4-Dinitrophenol	86.1	E	5.50	10.0	ug/L
100-02-7	4-Nitrophenol	77.4		2.80	10.0	ug/L
132-64-9	Dibenzofuran	38.0		1.60	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	38.4		2.50	5.00	ug/L
84-66-2	Diethylphthalate	39.2		2.10	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39.1		2.20	5.00	ug/L
86-73-7	Fluorene	38.5		2.00	5.00	ug/L
100-01-6	4-Nitroaniline	37.0		2.30	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43.2		1.80	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	40.8		2.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	40.3		2.00	5.00	ug/L
118-74-1	Hexachlorobenzene	39.4		1.90	5.00	ug/L
1912-24-9	Atrazine	40.0		3.50	5.00	ug/L
87-86-5	Pentachlorophenol	62.4		2.60	10.0	ug/L
85-01-8	Phenanthrene	39.3		2.00	5.00	ug/L
120-12-7	Anthracene	39.7		2.30	5.00	ug/L
86-74-8	Carbazole	38.1		1.70	5.00	ug/L
84-74-2	Di-n-butylphthalate	40.7		2.40	5.00	ug/L
206-44-0	Fluoranthene	37.4		2.10	5.00	ug/L
129-00-0	Pyrene	41.6		1.90	5.00	ug/L
85-68-7	Butylbenzylphthalate	45.5		2.80	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	43.0		5.40	10.0	ug/L
56-55-3	Benzo(a)anthracene	40.5		1.50	5.00	ug/L
218-01-9	Chrysene	39.6		1.60	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.7		2.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	47.9		3.10	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	45.1		1.50	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	40.3		1.90	5.00	ug/L
50-32-8	Benzo(a)pyrene	45.3		2.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	51.6		2.10	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	52.6		2.00	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	PB157801BS		SDG No.:	O5829
Lab Sample ID:	PB157801BS		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136612.D	1	12/14/23 11:25	12/18/23 13:53	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	51.1		1.90	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.8		2.10	5.00	ug/L
123-91-1	1,4-Dioxane	28.6		2.40	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	40.8		1.30	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	114		10 - 139	76%	SPK: 150
13127-88-3	Phenol-d6	111		10 - 134	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.7		49 - 133	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.0		52 - 132	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		32 - 145	75%	SPK: 150
1718-51-0	Terphenyl-d14	81.1		36 - 145	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	139000	6.786			
1146-65-2	Naphthalene-d8	602000	8.069			
15067-26-2	Acenaphthene-d10	312000	9.827			
1517-22-2	Phenanthrene-d10	578000	11.321			
1719-03-5	Chrysene-d12	294000	13.974			
1520-96-3	Perylene-d12	257000	15.456			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	
Client Sample ID:	PB157801BSD	SDG No.:	O5829
Lab Sample ID:	PB157801BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136613.D	1	12/14/23 11:25	12/18/23 14:24	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	16.5		3.30	10.0	ug/L
108-95-2	Phenol	36.8		1.50	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	39.6		1.70	5.00	ug/L
95-57-8	2-Chlorophenol	40.8		1.40	5.00	ug/L
95-48-7	2-Methylphenol	39.3		2.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	36.4		2.30	5.00	ug/L
98-86-2	Acetophenone	38.1		1.80	5.00	ug/L
65794-96-9	3+4-Methylphenols	38.0		2.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	37.9		2.00	2.50	ug/L
67-72-1	Hexachloroethane	37.3		1.60	5.00	ug/L
98-95-3	Nitrobenzene	36.3		1.70	5.00	ug/L
78-59-1	Isophorone	37.8		1.70	5.00	ug/L
88-75-5	2-Nitrophenol	41.9		2.40	5.00	ug/L
105-67-9	2,4-Dimethylphenol	50.2		3.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38.5		2.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	39.4		1.70	5.00	ug/L
91-20-3	Naphthalene	36.7		1.70	5.00	ug/L
106-47-8	4-Chloroaniline	22.8		2.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	36.8		1.90	5.00	ug/L
105-60-2	Caprolactam	40.2		3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	39.0		1.80	5.00	ug/L
91-57-6	2-Methylnaphthalene	37.4		2.20	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	91.0	E	5.70	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	40.0		1.50	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	38.2		1.60	5.00	ug/L
92-52-4	1,1-Biphenyl	37.8		1.80	5.00	ug/L
91-58-7	2-Chloronaphthalene	37.1		1.60	5.00	ug/L
88-74-4	2-Nitroaniline	38.9		2.40	5.00	ug/L
131-11-3	Dimethylphthalate	40.4		1.90	5.00	ug/L
208-96-8	Acenaphthylene	39.2		2.10	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	38.8		2.10	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	PB157801BSD		SDG No.:	O5829
Lab Sample ID:	PB157801BSD		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136613.D	1	12/14/23 11:25	12/18/23 14:24	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	32.3		2.40	5.00	ug/L
83-32-9	Acenaphthene	37.6		1.70	5.00	ug/L
51-28-5	2,4-Dinitrophenol	82.5	E	5.50	10.0	ug/L
100-02-7	4-Nitrophenol	74.9		2.80	10.0	ug/L
132-64-9	Dibenzofuran	37.4		1.60	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	38.4		2.50	5.00	ug/L
84-66-2	Diethylphthalate	38.9		2.10	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38.7		2.20	5.00	ug/L
86-73-7	Fluorene	37.4		2.00	5.00	ug/L
100-01-6	4-Nitroaniline	37.4		2.30	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	42.7		1.80	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	41.2		2.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	39.4		2.00	5.00	ug/L
118-74-1	Hexachlorobenzene	39.5		1.90	5.00	ug/L
1912-24-9	Atrazine	40.4		3.50	5.00	ug/L
87-86-5	Pentachlorophenol	60.7		2.60	10.0	ug/L
85-01-8	Phenanthrene	40.0		2.00	5.00	ug/L
120-12-7	Anthracene	39.5		2.30	5.00	ug/L
86-74-8	Carbazole	38.0		1.70	5.00	ug/L
84-74-2	Di-n-butylphthalate	40.2		2.40	5.00	ug/L
206-44-0	Fluoranthene	36.6		2.10	5.00	ug/L
129-00-0	Pyrene	41.8		1.90	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.8		2.80	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	42.1		5.40	10.0	ug/L
56-55-3	Benzo(a)anthracene	40.6		1.50	5.00	ug/L
218-01-9	Chrysene	39.0		1.60	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.1		2.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	47.4		3.10	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	42.5		1.50	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	42.8		1.90	5.00	ug/L
50-32-8	Benzo(a)pyrene	44.8		2.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.5		2.10	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	52.3		2.00	5.00	ug/L

Report of Analysis

Client:	D&B Engineers and Architects, P.C.		Date Collected:	
Project:	Con Edison - Atlantic Avenue #5324-E02		Date Received:	
Client Sample ID:	PB157801BSD		SDG No.:	O5829
Lab Sample ID:	PB157801BSD		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136613.D	1	12/14/23 11:25	12/18/23 14:24	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	49.7		1.90	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.5		2.10	5.00	ug/L
123-91-1	1,4-Dioxane	28.6		2.40	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	40.5		1.30	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	111		10 - 139	74%	SPK: 150
13127-88-3	Phenol-d6	107		10 - 134	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.3		49 - 133	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.0		52 - 132	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		32 - 145	74%	SPK: 150
1718-51-0	Terphenyl-d14	81.0		36 - 145	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	140000	6.787			
1146-65-2	Naphthalene-d8	591000	8.069			
15067-26-2	Acenaphthene-d10	309000	9.827			
1517-22-2	Phenanthrene-d10	569000	11.322			
1719-03-5	Chrysene-d12	288000	13.974			
1520-96-3	Perylene-d12	250000	15.451			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF120523.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Dec 06 09:40:27 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BF136402.D 5 =BF136403.D 10 =BF136404.D 20 =BF136405.D 40 =BF136408.D 50 =BF136407.D 60 =BF136409.D 80 =BF136410.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.553	0.525	0.562	0.561	0.503	0.529	0.517	0.536	4.30	
3)	Pyridine	1.291	1.233	1.362	1.395	1.236	1.312	1.253	1.297	4.85	
4)	n-Nitrosodimet...	0.543	0.539	0.592	0.599	0.537	0.575	0.560	0.564	4.54	
5) S	2-Fluorophenol	1.404	1.370	1.457	1.409	1.262	1.320	1.257	1.354	5.66	
6)	Aniline	1.753	1.714	1.808	1.805	1.580	1.692	1.602	1.708	5.31	
7) S	Phenol-d6	1.801	1.719	1.801	1.754	1.563	1.628	1.561	1.690	6.21	
8)	2-Chlorophenol	1.568	1.493	1.574	1.534	1.377	1.437	1.367	1.478	5.84	
9)	Benzaldehyde	1.111	1.029	1.039	0.910	0.737	0.767	0.680	0.896	18.95	
10) C	Phenol	1.935	1.805	1.915	1.875	1.681	1.742	1.632	1.798	6.53	
11)	bis(2-Chloroet...	1.421	1.374	1.412	1.383	1.236	1.307	1.248	1.340	5.72	
12)	1,3-Dichlorobe...	1.759	1.670	1.750	1.729	1.542	1.621	1.569	1.663	5.28	
13) C	1,4-Dichlorobe...	1.765	1.715	1.762	1.749	1.567	1.668	1.580	1.687	4.99	
14)	1,2-Dichlorobe...	1.703	1.606	1.703	1.640	1.459	1.527	1.465	1.586	6.56	
15)	Benzyl Alcohol	1.156	1.130	1.230	1.198	1.066	1.108	1.031	1.131	6.23	
16)	2,2'-oxybis(1-...	1.889	1.753	1.853	1.782	1.593	1.638	1.557	1.724	7.50	
17)	2-Methylphenol	1.189	1.223	1.273	1.257	1.115	1.175	1.129	1.194	5.07	
18)	Hexachloroethane	0.616	0.577	0.625	0.619	0.552	0.576	0.557	0.589	5.23	
19) P	n-Nitroso-di-n...	0.947	1.081	0.993	1.033	1.020	0.898	0.939	0.886	0.975	7.03
20)	3+4-Methylphenols	1.637	1.525	1.620	1.534	1.353	1.396	1.314	1.483	8.69	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.523	0.501	0.515	0.511	0.465	0.479	0.463	0.494	4.98	
23) S	Nitrobenzene-d5	0.385	0.361	0.385	0.389	0.350	0.365	0.355	0.370	4.39	
24)	Nitrobenzene	0.385	0.363	0.383	0.388	0.354	0.371	0.361	0.372	3.57	
25)	Isophorone	0.681	0.663	0.687	0.697	0.623	0.659	0.642	0.665	3.93	
26) C	2-Nitrophenol	0.175	0.178	0.188	0.197	0.176	0.187	0.180	0.183	4.34	
27)	2,4-Dimethylph...	0.234	0.223	0.237	0.238	0.213	0.220	0.215	0.226	4.69	
28)	bis(2-Chloroet...	0.423	0.410	0.428	0.424	0.387	0.399	0.388	0.408	4.31	
29) C	2,4-Dichloroph...	0.307	0.287	0.307	0.316	0.283	0.296	0.287	0.298	4.22	
30)	1,2,4-Trichlor...	0.355	0.343	0.359	0.364	0.329	0.344	0.337	0.347	3.68	
31)	Naphthalene	1.171	1.106	1.148	1.151	1.032	1.076	1.036	1.103	5.13	
32)	Benzoic acid	0.192	0.195	0.223	0.247	0.229	0.246	0.235	0.224	10.05	
33)	4-Chloroaniline	0.395	0.397	0.416	0.417	0.361	0.395	0.371	0.393	5.31	
34) C	Hexachlorobuta...	0.214	0.209	0.213	0.215	0.191	0.202	0.196	0.206	4.62	
35)	Caprolactam	0.097	0.091	0.095	0.097	0.084	0.091	0.088	0.092	5.14	
36) C	4-Chloro-3-met...	0.324	0.313	0.330	0.333	0.298	0.313	0.301	0.316	4.38	
37)	2-Methylnaphth...	0.764	0.699	0.734	0.725	0.661	0.679	0.649	0.702	5.97	
38)	1-Methylnaphth...	0.748	0.702	0.716	0.714	0.645	0.665	0.631	0.689	6.19	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF120523.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.655	0.598	0.654	0.643	0.590	0.615	0.601	0.622	4.46	
41) P	Hexachlorocycl...	0.184	0.220	0.249	0.232	0.250	0.248	0.231	11.22		
42) S	2,4,6-Tribromo...	0.254	0.245	0.258	0.259	0.233	0.242	0.234	0.247	4.38	
43) C	2,4,6-Trichlor...	0.401	0.395	0.426	0.424	0.390	0.404	0.395	0.405	3.55	
44)	2,4,5-Trichlor...	0.445	0.442	0.483	0.476	0.427	0.449	0.443	0.452	4.39	
45) S	2-Fluorobiphenyl	1.605	1.529	1.559	1.506	1.344	1.385	1.332	1.466	7.53	
46)	1,1'-Biphenyl	1.792	1.716	1.804	1.757	1.592	1.644	1.609	1.702	5.14	
47)	2-Chloronaphth...	1.377	1.329	1.380	1.364	1.253	1.303	1.266	1.325	3.95	
48)	2-Nitroaniline	0.350	0.338	0.370	0.378	0.341	0.357	0.352	0.355	4.09	
49)	Acenaphthylene	1.990	1.891	2.003	1.954	1.773	1.832	1.765	1.887	5.27	
50)	Dimethylphthalate	1.510	1.448	1.543	1.524	1.393	1.469	1.420	1.472	3.78	
51)	2,6-Dinitrotol...	0.335	0.321	0.345	0.347	0.315	0.330	0.324	0.331	3.66	
52) C	Acenaphthene	1.298	1.218	1.285	1.250	1.121	1.167	1.126	1.209	6.03	
53)	3-Nitroaniline	0.341	0.332	0.356	0.356	0.316	0.340	0.327	0.338	4.29	
54) P	2,4-Dinitrophenol	0.124	0.156	0.189	0.167	0.188	0.182	0.167	14.79		
55)	Dibenzofuran	1.924	1.803	1.858	1.822	1.642	1.707	1.610	1.766	6.57	
56) P	4-Nitrophenol	0.224	0.234	0.270	0.280	0.253	0.263	0.251	0.254	7.69	
57)	2,4-Dinitrotol...	0.435	0.430	0.460	0.463	0.413	0.446	0.420	0.438	4.36	
58)	Fluorene	1.565	1.450	1.527	1.451	1.308	1.341	1.285	1.418	7.68	
59)	2,3,4,6-Tetrac...	0.378	0.355	0.386	0.381	0.343	0.354	0.338	0.362	5.31	
60)	Diethylphthalate	1.532	1.448	1.513	1.507	1.368	1.406	1.361	1.448	4.93	
61)	4-Chlorophenyl...	0.766	0.711	0.744	0.702	0.633	0.659	0.625	0.691	7.84	
62)	4-Nitroaniline	0.328	0.334	0.355	0.364	0.318	0.335	0.318	0.336	5.24	
63)	Azobenzene	1.371	1.314	1.400	1.367	1.241	1.284	1.248	1.318	4.79	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.096	0.110	0.127	0.141	0.126	0.138	0.130	0.124	12.93	
66) c	n-Nitrosodiphe...	0.683	0.642	0.664	0.654	0.602	0.637	0.610	0.642	4.50	
67)	4-Bromophenyl-...	0.240	0.228	0.242	0.243	0.219	0.234	0.222	0.233	4.22	
68)	Hexachlorobenzene	0.278	0.266	0.275	0.277	0.257	0.269	0.259	0.269	3.17	
69)	Atrazine	0.213	0.198	0.194	0.177	0.157	0.159	0.183	12.29		
70) C	Pentachlorophenol	0.141	0.142	0.157	0.163	0.151	0.159	0.150	0.152	5.46	
71)	Phenanthrene	1.167	1.108	1.146	1.130	1.039	1.072	1.032	1.099	4.80	
72)	Anthracene	1.166	1.115	1.151	1.141	1.046	1.096	1.034	1.107	4.64	
73)	Carbazole	1.049	1.003	1.021	1.019	0.915	0.961	0.893	0.980	6.00	
74)	Di-n-butylphth...	1.229	1.208	1.265	1.253	1.137	1.197	1.120	1.201	4.58	
75) C	Fluoranthene	1.259	1.193	1.218	1.195	1.065	1.118	1.016	1.152	7.65	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.585	0.276	0.198	0.385	0.423	0.547	0.402	37.32		
78)	Pyrene	1.853	1.803	1.991	2.048	1.945	2.041	2.029	1.959	4.94	
79) S	Terphenyl-d14	1.505	1.447	1.589	1.573	1.479	1.521	1.507	1.517	3.28	
80)	Butylbenzylphth...	0.653	0.637	0.718	0.747	0.696	0.726	0.703	0.697	5.69	
81)	Benzo(a)anthra...	1.463	1.399	1.454	1.419	1.322	1.359	1.336	1.393	4.03	
82)	3,3'-Dichlorob...	0.404	0.410	0.409	0.396	0.382	0.373	0.361	0.391	4.90	
83)	Chrysene	1.394	1.357	1.408	1.417	1.309	1.370	1.340	1.371	2.83	
84)	Bis(2-ethylhex...	0.775	0.791	0.869	0.914	0.858	0.906	0.871	0.855	6.20	
85) c	Di-n-octyl pht...	1.103	1.140	1.232	1.340	1.269	1.360	1.394	1.263	8.82	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF120523.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.175	1.176	1.377	1.535	1.459	1.517	1.487	1.389	11.12
88)	Benzo(b)fluora...	1.470	1.367	1.491	1.375	1.245	1.385	1.239	1.367	7.18
89)	Benzo(k)fluora...	1.402	1.326	1.302	1.363	1.249	1.203	1.175	1.289	6.48
90) C	Benzo(a)pyrene	1.153	1.109	1.154	1.178	1.081	1.143	1.087	1.129	3.29
91)	Dibenzo(a,h)an...	0.967	0.984	1.129	1.251	1.188	1.238	1.210	1.138	10.37
92)	Benzo(g,h,i)pe...	0.992	0.974	1.157	1.292	1.238	1.272	1.252	1.168	11.43

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG121323.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Dec 14 01:47:12 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BG059992.D 5 =BG059993.D 10 =BG059994.D 20 =BG059995.D 40 =BG059996.D 50 =BG059997.D 60 =BG059998.D 80 =BG059999.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.569	0.609	0.553	0.576	0.513	0.531	0.518	0.553	6.30	
3) Pyridine	1.540	1.550	1.547	1.605	1.503	1.550	1.543	1.548	1.95	
4) n-Nitrosodimet...	0.891	0.784	0.758	0.755	0.675	0.735	0.733	0.762	8.68	
5) S 2-Fluorophenol	1.235	1.293	1.276	1.097	1.013	1.186	1.078	1.168	9.20	
6) Aniline	1.652	1.607	1.718	1.739	1.683	1.662	1.656	1.674	2.64	
7) S Phenol-d6	1.654	1.662	1.657	1.678	1.594	1.631	1.628	1.643	1.69	
8) 2-Chlorophenol	1.180	1.086	1.113	1.126	1.055	1.115	1.076	1.107	3.67	
9) Benzaldehyde		1.169	1.157	1.041	0.899	0.912	0.818	0.999	14.57	
10) C Phenol	1.621	1.583	1.709	1.702	1.626	1.668	1.647	1.651	2.75	
11) bis(2-Chloroet...	1.258	1.184	1.259	1.190	1.117	1.131	1.135	1.182	4.99	
12) 1,3-Dichlorobe...	1.550	1.512	1.490	1.537	1.392	1.458	1.426	1.481	3.94	
13) C 1,4-Dichlorobe...	1.679	1.635	1.571	1.528	1.423	1.488	1.460	1.541	6.07	
14) 1,2-Dichlorobe...	1.675	1.501	1.494	1.473	1.385	1.442	1.404	1.482	6.45	
15) Benzyl Alcohol	1.340	1.253	1.330	1.352	1.291	1.330	1.349	1.321	2.73	
16) 2,2'-oxybis(1-...	2.247	2.114	2.195	2.138	1.996	2.074	2.041	2.115	4.12	
17) 2-Methylphenol	1.067	1.090	1.137	1.164	1.064	1.100	1.083	1.101	3.37	
18) Hexachloroethane	0.506	0.457	0.473	0.483	0.437	0.460	0.451	0.467	4.88	
19) P n-Nitroso-di-n...	0.985	1.018	1.019	1.118	1.097	1.058	1.112	1.075	1.060	4.60
20) 3+4-Methylphenols	1.634	1.474	1.582	1.553	1.472	1.522	1.524	1.537	3.78	

21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.578	0.568	0.619	0.596	0.569	0.587	0.563	0.583	3.37	
23) S Nitrobenzene-d5	0.431	0.401	0.437	0.455	0.441	0.465	0.452	0.440	4.70	
24) Nitrobenzene	0.423	0.422	0.456	0.463	0.445	0.465	0.456	0.447	3.98	
25) Isophorone	0.839	0.826	0.864	0.880	0.821	0.861	0.809	0.843	3.09	
26) C 2-Nitrophenol	0.150	0.153	0.164	0.168	0.165	0.176	0.175	0.164	6.21	
27) 2,4-Dimethylph...	0.225	0.209	0.243	0.236	0.215	0.230	0.221	0.225	5.21	
28) bis(2-Chloroet...	0.453	0.421	0.452	0.447	0.416	0.439	0.419	0.435	3.75	
29) C 2,4-Dichloroph...	0.395	0.381	0.423	0.412	0.405	0.415	0.402	0.405	3.40	
30) 1,2,4-Trichlor...	0.557	0.526	0.572	0.557	0.532	0.555	0.537	0.548	3.03	
31) Naphthalene	1.100	1.015	1.075	1.063	0.990	1.050	0.994	1.041	4.03	
32) Benzoic acid	0.163	0.163	0.214	0.216	0.229	0.232	0.218	0.205	14.34	
33) 4-Chloroaniline	0.397	0.384	0.416	0.407	0.387	0.400	0.383	0.396	3.18	
34) C Hexachlorobuta...	0.508	0.496	0.508	0.514	0.483	0.514	0.489	0.502	2.51	
35) Caprolactam	0.094	0.105	0.107	0.106	0.099	0.108	0.103	0.103	4.74	
36) C 4-Chloro-3-met...	0.344	0.349	0.390	0.385	0.365	0.385	0.360	0.368	4.97	
37) 2-Methylnaphth...	0.832	0.814	0.835	0.837	0.806	0.817	0.776	0.817	2.62	
38) 1-Methylnaphth...	0.813	0.797	0.834	0.821	0.790	0.823	0.768	0.807	2.86	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG121323.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	1.019	1.026	1.053	1.060	1.005	1.082	1.055	1.043	2.57
41) P	Hexachlorocycl...	0.424	0.376	0.416	0.441	0.439	0.464	0.455	0.431	6.78
42) S	2,4,6-Tribromo...	0.459	0.467	0.474	0.468	0.455	0.475	0.466	0.466	1.55
43) C	2,4,6-Trichlor...	0.589	0.573	0.590	0.603	0.561	0.607	0.569	0.585	2.94
44)	2,4,5-Trichlor...	0.625	0.594	0.652	0.664	0.634	0.651	0.630	0.636	3.63
45) S	2-Fluorobiphenyl	1.720	1.642	1.661	1.657	1.554	1.642	1.563	1.634	3.55
46)	1,1'-Biphenyl	1.540	1.462	1.509	1.521	1.420	1.496	1.435	1.483	3.05
47)	2-Chloronaphth...	1.322	1.277	1.296	1.333	1.228	1.285	1.250	1.285	2.89
48)	2-Nitroaniline	0.244	0.244	0.263	0.286	0.283	0.310	0.311	0.277	10.07
49)	Acenaphthylene	1.788	1.726	1.772	1.823	1.699	1.775	1.717	1.757	2.53
50)	Dimethylphthalate	1.604	1.544	1.585	1.573	1.493	1.564	1.504	1.552	2.64
51)	2,6-Dinitrotol...	0.291	0.305	0.319	0.332	0.324	0.343	0.337	0.322	5.76
52) C	Acenaphthene	1.207	1.220	1.216	1.208	1.180	1.241	1.194	1.210	1.62
53)	3-Nitroaniline	0.251	0.253	0.248	0.257	0.257	0.269	0.264	0.257	2.84
54) P	2,4-Dinitrophenol	0.177	0.204	0.241	0.249	0.254	0.270	0.264	0.237	14.32
55)	Dibenzofuran	1.980	1.964	2.041	2.002	1.917	1.977	1.900	1.969	2.45
56) P	4-Nitrophenol	0.189	0.218	0.214	0.221	0.220	0.225	0.226	0.216	5.75
57)	2,4-Dinitrotol...	0.409	0.415	0.457	0.464	0.454	0.484	0.481	0.452	6.60
58)	Fluorene	1.738	1.631	1.713	1.680	1.579	1.679	1.600	1.660	3.54
59)	2,3,4,6-Tetrac...	0.664	0.684	0.672	0.657	0.651	0.657	0.648	0.662	1.91
60)	Diethylphthalate	1.445	1.413	1.449	1.461	1.375	1.452	1.403	1.428	2.21
61)	4-Chlorophenyl...	1.173	1.189	1.194	1.214	1.165	1.234	1.199	1.196	1.96
62)	4-Nitroaniline	0.276	0.265	0.291	0.283	0.277	0.284	0.283	0.280	2.94
63)	Azobenzene	1.466	1.365	1.454	1.444	1.358	1.410	1.362	1.408	3.35
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.107	0.118	0.122	0.130	0.130	0.138	0.133	0.125	8.55
66) c	n-Nitrosodiphe...	0.491	0.480	0.497	0.497	0.473	0.499	0.484	0.489	2.08
67)	4-Bromophenyl-...	0.280	0.276	0.283	0.288	0.276	0.294	0.279	0.282	2.35
68)	Hexachlorobenzene	0.333	0.324	0.329	0.336	0.321	0.338	0.328	0.330	1.89
69)	Atrazine	0.226	0.224	0.203	0.172	0.152	0.143		0.187	19.43
70) C	Pentachlorophenol	0.188	0.201	0.225	0.223	0.216	0.226	0.217	0.214	6.52
71)	Phenanthrene	1.023	0.979	0.992	0.974	0.920	0.970	0.924	0.969	3.77
72)	Anthracene	1.014	0.963	1.012	0.985	0.930	0.987	0.929	0.974	3.62
73)	Carbazole	0.874	0.834	0.870	0.830	0.787	0.814	0.785	0.828	4.32
74)	Di-n-butylphth...	0.766	0.747	0.781	0.764	0.729	0.768	0.731	0.755	2.65
75) C	Fluoranthene	1.535	1.464	1.469	1.420	1.333	1.376	1.298	1.414	5.91
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.206	0.149	0.202	0.400	0.325	0.239	0.277	0.257	33.08
78)	Pyrene	1.290	1.207	1.290	1.248	1.146	1.200	1.105	1.212	5.79
79) S	Terphenyl-d14	1.239	1.173	1.246	1.144	1.011	0.987	0.868	1.095	13.01
80)	Butylbenzylpht...	0.209	0.196	0.219	0.225	0.217	0.229	0.228	0.218	5.47
81)	Benzo(a)anthra...	1.388	1.330	1.421	1.378	1.304	1.334	1.249	1.343	4.30
82)	3,3'-Dichlorob...	0.435	0.411	0.454	0.468	0.443	0.448	0.435	0.442	4.00
83)	Chrysene	1.329	1.264	1.349	1.310	1.213	1.250	1.195	1.273	4.60
84)	Bis(2-ethylhex...	0.319	0.299	0.338	0.333	0.331	0.348	0.342	0.330	4.99
85) c	Di-n-octyl pht...	0.537	0.528	0.580	0.586	0.565	0.607	0.594	0.571	5.16

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG121323.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.424	1.398	1.446	1.464	1.362	1.472	1.426	1.427	2.70
88)	Benzo(b)fluora...	1.260	1.218	1.254	1.276	1.178	1.249	1.212	1.235	2.77
89)	Benzo(k)fluora...	1.241	1.201	1.233	1.227	1.132	1.208	1.145	1.198	3.61
90) C	Benzo(a)pyrene	1.119	1.079	1.113	1.124	1.038	1.117	1.070	1.094	2.96
91)	Dibenzo(a,h)an...	1.180	1.171	1.220	1.213	1.140	1.234	1.197	1.194	2.72
92)	Benzo(g,h,i)pe...	1.226	1.150	1.194	1.220	1.130	1.217	1.173	1.187	3.14

(#) = Out of Range

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: BNA_F Calibration Date/Time: 12/18/2023 11:14
 Lab File ID: BF136607.D Init. Calib. Date(s): 12/05/2023 12/05/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:56 17:09
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.354	1.172		-13.4	
Benzaldehyde	0.896	0.807		-9.9	
Phenol-d6	1.690	1.465		-13.3	
Phenol	1.798	1.521		-15.4	20.0
bis(2-Chloroethyl)ether	1.340	1.163		-13.2	
2-Chlorophenol	1.478	1.279		-13.5	
2-Methylphenol	1.194	1.096		-8.2	
2,2-oxybis(1-Chloropropane)	1.724	1.369		-20.6	
Acetophenone	0.494	0.438		-11.3	
3+4-Methylphenols	1.483	1.333		-10.1	
n-Nitroso-di-n-propylamine	0.975	0.830	0.050	-14.9	
Nitrobenzene-d5	0.370	0.336		-9.2	
Hexachloroethane	0.589	0.475		-19.4	
Nitrobenzene	0.372	0.318		-14.5	
Isophorone	0.665	0.591		-11.1	
2-Nitrophenol	0.183	0.175		-4.4	20.0
2,4-Dimethylphenol	0.226	0.252		11.5	
bis(2-Chloroethoxy)methane	0.408	0.372		-8.8	
2,4-Dichlorophenol	0.298	0.268		-10.1	20.0
Naphthalene	1.103	0.959		-13.1	
4-Chloroaniline	0.393	0.388		-1.3	
Hexachlorobutadiene	0.206	0.176		-14.6	20.0
Caprolactam	0.092	0.085		-7.6	
4-Chloro-3-methylphenol	0.316	0.284		-10.1	20.0
2-Methylnaphthalene	0.702	0.646		-8.0	
Hexachlorocyclopentadiene	0.231	0.230	0.050	-0.4	
2,4,6-Trichlorophenol	0.405	0.358		-11.6	20.0
2-Fluorobiphenyl	1.466	1.297		-11.5	
2,4,5-Trichlorophenol	0.452	0.421		-6.9	
1,1-Biphenyl	1.702	1.512		-11.2	
2-Chloronaphthalene	1.325	1.098		-17.1	
2-Nitroaniline	0.355	0.321		-9.6	
Dimethylphthalate	1.472	1.349		-8.4	
Acenaphthylene	1.887	1.675		-11.2	
2,6-Dinitrotoluene	0.331	0.295		-10.9	
3-Nitroaniline	0.338	0.309		-8.6	
Acenaphthene	1.209	1.057		-12.6	20.0
2,4-Dinitrophenol	0.167	0.141	0.050	-15.6	
4-Nitrophenol	0.254	0.209	0.050	-17.7	
Dibenzofuran	1.766	1.589		-10.0	
2,4-Dinitrotoluene	0.438	0.373		-14.8	

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: BNA_F Calibration Date/Time: 12/18/2023 11:14
 Lab File ID: BF136607.D Init. Calib. Date(s): 12/05/2023 12/05/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:56 17:09
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.448	1.284		-11.3	
4-Chlorophenyl-phenylether	0.691	0.632		-8.5	
Fluorene	1.418	1.235		-12.9	
4-Nitroaniline	0.336	0.308		-8.3	
4,6-Dinitro-2-methylphenol	0.124	0.120		-3.2	
n-Nitrosodiphenylamine	0.642	0.614		-4.4	20.0
2,4,6-Tribromophenol	0.247	0.222		-10.1	
4-Bromophenyl-phenylether	0.233	0.222		-4.7	
Hexachlorobenzene	0.269	0.235		-12.6	
Atrazine	0.183	0.155		-15.3	
Pentachlorophenol	0.152	0.155		2.0	20.0
Phenanthrene	1.099	0.997		-9.3	
Anthracene	1.107	1.025		-7.4	
Carbazole	0.980	0.846		-13.7	
Di-n-butylphthalate	1.201	1.130		-5.9	
Fluoranthene	1.152	0.978		-15.1	20.0
Pyrene	1.959	1.853		-5.4	
Terphenyl-d14	1.517	1.474		-2.8	
Butylbenzylphthalate	0.697	0.723		3.7	
3,3-Dichlorobenzidine	0.391	0.425		8.7	
Benzo(a)anthracene	1.393	1.281		-8.0	
Chrysene	1.371	1.224		-10.7	
Bis(2-ethylhexyl)phthalate	0.855	0.923		8.0	
Di-n-octyl phthalate	1.263	1.366		8.2	20.0
Benzo(b)fluoranthene	1.367	1.166		-14.7	
Benzo(k)fluoranthene	1.289	1.036		-19.6	
Benzo(a)pyrene	1.129	1.076		-4.7	20.0
Indeno(1,2,3-cd)pyrene	1.389	1.388		-0.1	
Dibenzo(a,h)anthracene	1.138	1.156		1.6	
Benzo(g,h,i)perylene	1.168	1.169		0.1	
1,2,4,5-Tetrachlorobenzene	0.622	0.571		-8.2	
1,4-Dioxane	0.536	0.446		-16.8	20.0
2,3,4,6-Tetrachlorophenol	0.362	0.317		-12.4	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: BNA_G Calibration Date/Time: 12/15/2023 10:25
 Lab File ID: BG060029.D Init. Calib. Date(s): 12/13/2023 12/13/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:59 16:43
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.168	1.284		9.9	
Benzaldehyde	0.999	0.948		-5.1	
Phenol-d6	1.643	1.591		-3.2	
Phenol	1.651	1.635		-1.0	20.0
bis(2-Chloroethyl) ether	1.182	1.081		-8.5	
2-Chlorophenol	1.107	1.074		-3.0	
2-Methylphenol	1.101	1.095		-0.5	
2,2-oxybis(1-Chloropropane)	2.115	2.257		6.7	
Acetophenone	0.583	0.571		-2.1	
3+4-Methylphenols	1.537	1.565		1.8	
n-Nitroso-di-n-propylamine	1.060	1.078	0.050	1.7	
Nitrobenzene-d5	0.440	0.444		0.9	
Hexachloroethane	0.467	0.458		-1.9	
Nitrobenzene	0.447	0.461		3.1	
Isophorone	0.843	0.851		0.9	
2-Nitrophenol	0.164	0.187		14.0	20.0
2,4-Dimethylphenol	0.225	0.234		4.0	
bis(2-Chloroethoxy) methane	0.435	0.419		-3.7	
2,4-Dichlorophenol	0.405	0.433		6.9	20.0
Naphthalene	1.041	1.079		3.7	
4-Chloroaniline	0.396	0.427		7.8	
Hexachlorobutadiene	0.502	0.496		-1.2	20.0
Caprolactam	0.103	0.111		7.8	
4-Chloro-3-methylphenol	0.368	0.381		3.5	20.0
2-Methylnaphthalene	0.817	0.825		1.0	
Hexachlorocyclopentadiene	0.431	0.425	0.050	-1.4	
2,4,6-Trichlorophenol	0.585	0.573		-2.1	20.0
2-Fluorobiphenyl	1.634	1.642		0.5	
2,4,5-Trichlorophenol	0.636	0.670		5.3	
1,1-Biphenyl	1.483	1.507		1.6	
2-Chloronaphthalene	1.285	1.283		-0.2	
2-Nitroaniline	0.277	0.331		19.5	
Dimethylphthalate	1.552	1.627		4.8	
Acenaphthylene	1.757	1.865		6.1	
2,6-Dinitrotoluene	0.322	0.352		9.3	
3-Nitroaniline	0.257	0.308		19.8	
Acenaphthene	1.210	1.276		5.5	20.0
2,4-Dinitrophenol	0.237	0.294	0.050	24.1	
4-Nitrophenol	0.216	0.261	0.050	20.8	
Dibenzofuran	1.969	2.053		4.3	
2,4-Dinitrotoluene	0.452	0.527		16.6	

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: 05829 SAS No.: 05829 SDG No.: 05829
 Instrument ID: BNA_G Calibration Date/Time: 12/15/2023 10:25
 Lab File ID: BG060029.D Init. Calib. Date(s): 12/13/2023 12/13/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:59 16:43
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.428	1.572		10.1	
4-Chlorophenyl-phenylether	1.196	1.254		4.8	
Fluorene	1.660	1.771		6.7	
4-Nitroaniline	0.280	0.331		18.2	
4,6-Dinitro-2-methylphenol	0.125	0.141		12.8	
n-Nitrosodiphenylamine	0.489	0.500		2.2	20.0
2,4,6-Tribromophenol	0.466	0.500		7.3	
4-Bromophenyl-phenylether	0.282	0.276		-2.1	
Hexachlorobenzene	0.330	0.326		-1.2	
Atrazine	0.187	0.166		-11.2	
Pentachlorophenol	0.214	0.238		11.2	20.0
Phenanthrene	0.969	0.998		3.0	
Anthracene	0.974	1.026		5.3	
Carbazole	0.828	0.889		7.4	
Di-n-butylphthalate	0.755	0.831		10.1	
Fluoranthene	1.414	1.535		8.6	20.0
Pyrene	1.212	1.209		-0.2	
Terphenyl-d14	1.095	1.104		0.8	
Butylbenzylphthalate	0.218	0.261		19.7	
3,3-Dichlorobenzidine	0.442	0.480		8.6	
Benzo(a)anthracene	1.343	1.381		2.8	
Chrysene	1.273	1.321		3.8	
Bis(2-ethylhexyl)phthalate	0.330	0.386		17.0	
Di-n-octyl phthalate	0.571	0.659		15.4	20.0
Benzo(b)fluoranthene	1.235	1.262		2.2	
Benzo(k)fluoranthene	1.198	1.210		1.0	
Benzo(a)pyrene	1.094	1.113		1.7	20.0
Indeno(1,2,3-cd)pyrene	1.427	1.464		2.6	
Dibenzo(a,h)anthracene	1.194	1.253		4.9	
Benzo(g,h,i)perylene	1.187	1.209		1.9	
1,2,4,5-Tetrachlorobenzene	1.043	1.023		-1.9	
1,4-Dioxane	0.553	0.635		14.8	20.0
2,3,4,6-Tetrachlorophenol	0.662	0.709		7.1	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: BNA_G Calibration Date/Time: 12/15/2023 22:35
 Lab File ID: BG060046.D Init. Calib. Date(s): 12/13/2023 12/13/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:59 16:43
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.168	1.276		9.2	
Benzaldehyde	0.999	1.073		7.4	
Phenol-d6	1.643	1.826		11.1	
Phenol	1.651	1.885		14.2	20.0
bis(2-Chloroethyl) ether	1.182	1.192		0.8	
2-Chlorophenol	1.107	1.208		9.1	
2-Methylphenol	1.101	1.291		17.3	
2,2-oxybis(1-Chloropropane)	2.115	2.651		25.3	
Acetophenone	0.583	0.574		-1.5	
3+4-Methylphenols	1.537	1.844		20.0	
n-Nitroso-di-n-propylamine	1.060	1.272	0.050	20.0	
Nitrobenzene-d5	0.440	0.438		-0.5	
Hexachloroethane	0.467	0.535		14.6	
Nitrobenzene	0.447	0.442		-1.1	
Isophorone	0.843	0.823		-2.4	
2-Nitrophenol	0.164	0.175		6.7	20.0
2,4-Dimethylphenol	0.225	0.232		3.1	
bis(2-Chloroethoxy) methane	0.435	0.405		-6.9	
2,4-Dichlorophenol	0.405	0.414		2.2	20.0
Naphthalene	1.041	1.057		1.5	
4-Chloroaniline	0.396	0.419		5.8	
Hexachlorobutadiene	0.502	0.461		-8.2	20.0
Caprolactam	0.103	0.125		21.4	
4-Chloro-3-methylphenol	0.368	0.402		9.2	20.0
2-Methylnaphthalene	0.817	0.826		1.1	
Hexachlorocyclopentadiene	0.431	0.592	0.050	37.4	
2,4,6-Trichlorophenol	0.585	0.579		-1.0	20.0
2-Fluorobiphenyl	1.634	1.631		-0.2	
2,4,5-Trichlorophenol	0.636	0.660		3.8	
1,1-Biphenyl	1.483	1.536		3.6	
2-Chloronaphthalene	1.285	1.278		-0.5	
2-Nitroaniline	0.277	0.347		25.3	
Dimethylphthalate	1.552	1.629		5.0	
Acenaphthylene	1.757	1.864		6.1	
2,6-Dinitrotoluene	0.322	0.358		11.2	
3-Nitroaniline	0.257	0.309		20.2	
Acenaphthene	1.210	1.364		12.7	20.0
2,4-Dinitrophenol	0.237	0.392	0.050	65.4	
4-Nitrophenol	0.216	0.302	0.050	39.8	
Dibenzofuran	1.969	2.066		4.9	
2,4-Dinitrotoluene	0.452	0.524		15.9	

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: BNA_G Calibration Date/Time: 12/15/2023 22:35
 Lab File ID: BG060046.D Init. Calib. Date(s): 12/13/2023 12/13/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:59 16:43
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.428	1.528		7.0	
4-Chlorophenyl-phenylether	1.196	1.215		1.6	
Fluorene	1.660	1.732		4.3	
4-Nitroaniline	0.280	0.329		17.5	
4,6-Dinitro-2-methylphenol	0.125	0.142		13.6	
n-Nitrosodiphenylamine	0.489	0.509		4.1	20.0
2,4,6-Tribromophenol	0.466	0.492		5.6	
4-Bromophenyl-phenylether	0.282	0.285		1.1	
Hexachlorobenzene	0.330	0.331		0.3	
Atrazine	0.187	0.159		-15.0	
Pentachlorophenol	0.214	0.270		26.2	20.0
Phenanthrene	0.969	1.019		5.2	
Anthracene	0.974	1.025		5.2	
Carbazole	0.828	0.893		7.8	
Di-n-butylphthalate	0.755	0.842		11.5	
Fluoranthene	1.414	1.465		3.6	20.0
Pyrene	1.212	1.249		3.1	
Terphenyl-d14	1.095	1.091		-0.4	
Butylbenzylphthalate	0.218	0.277		27.1	
3,3-Dichlorobenzidine	0.442	0.483		9.3	
Benzo(a)anthracene	1.343	1.388		3.4	
Chrysene	1.273	1.299		2.0	
Bis(2-ethylhexyl)phthalate	0.330	0.408		23.6	
Di-n-octyl phthalate	0.571	0.718		25.7	20.0
Benzo(b)fluoranthene	1.235	1.256		1.7	
Benzo(k)fluoranthene	1.198	1.259		5.1	
Benzo(a)pyrene	1.094	1.131		3.4	20.0
Indeno(1,2,3-cd)pyrene	1.427	1.489		4.3	
Dibenzo(a,h)anthracene	1.194	1.260		5.5	
Benzo(g,h,i)perylene	1.187	1.230		3.6	
1,2,4,5-Tetrachlorobenzene	1.043	0.995		-4.6	
1,4-Dioxane	0.553	0.593		7.2	20.0
2,3,4,6-Tetrachlorophenol	0.662	0.683		3.2	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: BNA_G Calibration Date/Time: 12/19/2023 12:39
 Lab File ID: BG060082.D Init. Calib. Date(s): 12/13/2023 12/13/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:59 16:43
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.168	0.967		-17.2	
Benzaldehyde	0.999	0.893		-10.6	
Phenol-d6	1.643	1.454		-11.5	
Phenol	1.651	1.481		-10.3	20.0
bis(2-Chloroethyl) ether	1.182	0.918		-22.3	
2-Chlorophenol	1.107	1.043		-5.8	
2-Methylphenol	1.101	1.097		-0.4	
2,2-oxybis(1-Chloropropane)	2.115	1.956		-7.5	
Acetophenone	0.583	0.590		1.2	
3+4-Methylphenols	1.537	1.541		0.3	
n-Nitroso-di-n-propylamine	1.060	1.156	0.050	9.1	
Nitrobenzene-d5	0.440	0.468		6.4	
Hexachloroethane	0.467	0.473		1.3	
Nitrobenzene	0.447	0.486		8.7	
Isophorone	0.843	0.860		2.0	
2-Nitrophenol	0.164	0.189		15.2	20.0
2,4-Dimethylphenol	0.225	0.228		1.3	
bis(2-Chloroethoxy) methane	0.435	0.398		-8.5	
2,4-Dichlorophenol	0.405	0.475		17.3	20.0
Naphthalene	1.041	1.064		2.2	
4-Chloroaniline	0.396	0.419		5.8	
Hexachlorobutadiene	0.502	0.609		21.3	20.0
Caprolactam	0.103	0.117		13.6	
4-Chloro-3-methylphenol	0.368	0.419		13.9	20.0
2-Methylnaphthalene	0.817	0.902		10.4	
Hexachlorocyclopentadiene	0.431	0.448	0.050	3.9	
2,4,6-Trichlorophenol	0.585	0.635		8.5	20.0
2-Fluorobiphenyl	1.634	1.728		5.8	
2,4,5-Trichlorophenol	0.636	0.683		7.4	
1,1-Biphenyl	1.483	1.504		1.4	
2-Chloronaphthalene	1.285	1.279		-0.5	
2-Nitroaniline	0.277	0.357		28.9	
Dimethylphthalate	1.552	1.668		7.5	
Acenaphthylene	1.757	1.767		0.6	
2,6-Dinitrotoluene	0.322	0.372		15.5	
3-Nitroaniline	0.257	0.270		5.1	
Acenaphthene	1.210	1.289		6.5	20.0
2,4-Dinitrophenol	0.237	0.294	0.050	24.1	
4-Nitrophenol	0.216	0.233	0.050	7.9	
Dibenzofuran	1.969	2.091		6.2	
2,4-Dinitrotoluene	0.452	0.552		22.1	

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: 05829 SAS No.: 05829 SDG No.: 05829
 Instrument ID: BNA_G Calibration Date/Time: 12/19/2023 12:39
 Lab File ID: BG060082.D Init. Calib. Date(s): 12/13/2023 12/13/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:59 16:43
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.428	1.538		7.7	
4-Chlorophenyl-phenylether	1.196	1.350		12.9	
Fluorene	1.660	1.815		9.3	
4-Nitroaniline	0.280	0.314		12.1	
4,6-Dinitro-2-methylphenol	0.125	0.157		25.6	
n-Nitrosodiphenylamine	0.489	0.541		10.6	20.0
2,4,6-Tribromophenol	0.466	0.565		21.2	
4-Bromophenyl-phenylether	0.282	0.320		13.5	
Hexachlorobenzene	0.330	0.359		8.8	
Atrazine	0.187	0.179		-4.3	
Pentachlorophenol	0.214	0.245		14.5	20.0
Phenanthrene	0.969	1.004		3.6	
Anthracene	0.974	1.025		5.2	
Carbazole	0.828	0.830		0.2	
Di-n-butylphthalate	0.755	0.762		0.9	
Fluoranthene	1.414	1.436		1.6	20.0
Pyrene	1.212	1.209		-0.2	
Terphenyl-d14	1.095	1.220		11.4	
Butylbenzylphthalate	0.218	0.246		12.8	
3,3-Dichlorobenzidine	0.442	0.485		9.7	
Benzo(a)anthracene	1.343	1.384		3.1	
Chrysene	1.273	1.293		1.6	
Bis(2-ethylhexyl)phthalate	0.330	0.363		10.0	
Di-n-octyl phthalate	0.571	0.573		0.3	20.0
Benzo(b)fluoranthene	1.235	1.272		3.0	
Benzo(k)fluoranthene	1.198	1.212		1.2	
Benzo(a)pyrene	1.094	1.086		-0.7	20.0
Indeno(1,2,3-cd)pyrene	1.427	1.391		-2.5	
Dibenzo(a,h)anthracene	1.194	1.205		0.9	
Benzo(g,h,i)perylene	1.187	1.154		-2.8	
1,2,4,5-Tetrachlorobenzene	1.043	1.101		5.6	
1,4-Dioxane	0.553	0.451		-18.4	20.0
2,3,4,6-Tetrachlorophenol	0.662	0.775		17.1	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: O5829 SAS No.: O5829 SDG No.: O5829
 Instrument ID: BNA_G Calibration Date/Time: 12/20/2023 17:44
 Lab File ID: BG060104.D Init. Calib. Date(s): 12/13/2023 12/13/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:59 16:43
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.168	0.814		-30.3	
Benzaldehyde	0.999	0.929		-7.0	
Phenol-d6	1.643	1.425		-13.3	
Phenol	1.651	1.532		-7.2	20.0
bis(2-Chloroethyl) ether	1.182	0.903		-23.6	
2-Chlorophenol	1.107	0.928		-16.2	
2-Methylphenol	1.101	1.161		5.4	
2,2-oxybis(1-Chloropropane)	2.115	1.935		-8.5	
Acetophenone	0.583	0.615		5.5	
3+4-Methylphenols	1.537	1.586		3.2	
n-Nitroso-di-n-propylamine	1.060	1.239	0.050	16.9	
Nitrobenzene-d5	0.440	0.507		15.2	
Hexachloroethane	0.467	0.412		-11.8	
Nitrobenzene	0.447	0.503		12.5	
Isophorone	0.843	0.891		5.7	
2-Nitrophenol	0.164	0.180		9.8	20.0
2,4-Dimethylphenol	0.225	0.302		34.2	
bis(2-Chloroethoxy) methane	0.435	0.379		-12.9	
2,4-Dichlorophenol	0.405	0.466		15.1	20.0
Naphthalene	1.041	1.013		-2.7	
4-Chloroaniline	0.396	0.456		15.2	
Hexachlorobutadiene	0.502	0.655		30.5	20.0
Caprolactam	0.103	0.108		4.9	
4-Chloro-3-methylphenol	0.368	0.436		18.5	20.0
2-Methylnaphthalene	0.817	0.934		14.3	
Hexachlorocyclopentadiene	0.431	0.678	0.050	57.3	
2,4,6-Trichlorophenol	0.585	0.631		7.9	20.0
2-Fluorobiphenyl	1.634	1.781		9.0	
2,4,5-Trichlorophenol	0.636	0.739		16.2	
1,1-Biphenyl	1.483	1.500		1.1	
2-Chloronaphthalene	1.285	1.209		-5.9	
2-Nitroaniline	0.277	0.382		37.9	
Dimethylphthalate	1.552	1.748		12.6	
Acenaphthylene	1.757	1.816		3.4	
2,6-Dinitrotoluene	0.322	0.375		16.5	
3-Nitroaniline	0.257	0.249		-3.1	
Acenaphthene	1.210	1.113		-8.0	20.0
2,4-Dinitrophenol	0.237	0.265	0.050	11.8	
4-Nitrophenol	0.216	0.204	0.050	-5.6	
Dibenzofuran	1.969	2.146		9.0	
2,4-Dinitrotoluene	0.452	0.542		19.9	

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DVIR01
 Lab Code: CHEM Case No.: 05829 SAS No.: 05829 SDG No.: 05829
 Instrument ID: BNA_G Calibration Date/Time: 12/20/2023 17:44
 Lab File ID: BG060104.D Init. Calib. Date(s): 12/13/2023 12/13/2023
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:59 16:43
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.428	1.554		8.8	
4-Chlorophenyl-phenylether	1.196	1.466		22.6	
Fluorene	1.660	1.776		7.0	
4-Nitroaniline	0.280	0.284		1.4	
4,6-Dinitro-2-methylphenol	0.125	0.135		8.0	
n-Nitrosodiphenylamine	0.489	0.512		4.7	20.0
2,4,6-Tribromophenol	0.466	0.599		28.5	
4-Bromophenyl-phenylether	0.282	0.329		16.7	
Hexachlorobenzene	0.330	0.339		2.7	
Atrazine	0.187	0.153		-18.2	
Pentachlorophenol	0.214	0.201		-6.1	20.0
Phenanthrene	0.969	0.993		2.5	
Anthracene	0.974	1.037		6.5	
Carbazole	0.828	0.776		-6.3	
Di-n-butylphthalate	0.755	0.728		-3.6	
Fluoranthene	1.414	1.523		7.7	20.0
Pyrene	1.212	1.170		-3.5	
Terphenyl-d14	1.095	1.220		11.4	
Butylbenzylphthalate	0.218	0.230		5.5	
3,3-Dichlorobenzidine	0.442	0.512		15.8	
Benzo(a)anthracene	1.343	1.388		3.4	
Chrysene	1.273	1.303		2.4	
Bis(2-ethylhexyl)phthalate	0.330	0.336		1.8	
Di-n-octyl phthalate	0.571	0.537		-6.0	20.0
Benzo(b)fluoranthene	1.235	1.194		-3.3	
Benzo(k)fluoranthene	1.198	1.220		1.8	
Benzo(a)pyrene	1.094	1.154		5.5	20.0
Indeno(1,2,3-cd)pyrene	1.427	1.471		3.1	
Dibenzo(a,h)anthracene	1.194	1.260		5.5	
Benzo(g,h,i)perylene	1.187	1.191		0.3	
1,2,4,5-Tetrachlorobenzene	1.043	1.216		16.6	
1,4-Dioxane	0.553	0.451		-18.4	20.0
2,3,4,6-Tetrachlorophenol	0.662	0.800		20.8	

All other compounds must meet a minimum RRF of 0.010.



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5829	OrderDate:	12/13/2023 4:53:00 PM
Client:	D&B Engineers and Architects, P.C.	Project:	Con Edison - Atlantic Avenue #5324-E02
Contact:	Thomas P. Fox	Location:	L11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5829-01	MW-3	WATER			12/12/23 10:20			12/13/23
			Anions Group1	300.0			12/15/23 12:09	
O5829-01DL	MW-3DL	WATER			12/12/23 10:20			12/13/23
			Anions Group1	300.0			12/15/23 17:57	
O5829-02	MW-4	WATER			12/12/23 10:50			12/13/23
			Anions Group1	300.0			12/15/23 12:40	
O5829-03	MW-8	WATER			12/12/23 11:40			12/13/23
			Anions Group1	300.0			12/18/23 16:04	
O5829-04	MW-7	WATER			12/12/23 12:30			12/13/23
			Anions Group1	300.0			12/15/23 13:12	
O5829-04DL	MW-7DL	WATER			12/12/23 12:30			12/13/23
			Anions Group1	300.0			12/15/23 18:28	
O5829-05	MW-2	WATER			12/12/23 13:15			12/13/23
			Anions Group1	300.0			12/15/23 13:43	

LAB CHRONICLE

O5829-06	MW-9	WATER			12/12/23 14:21		12/13/23
			Anions Group1	300.0		12/18/23 16:36	
O5829-06DL	MW-9DL	WATER			12/12/23 14:21		12/13/23
			Anions Group1	300.0		12/18/23 18:11	
O5829-07	MW-17	WATER			12/13/23 09:05		12/13/23
			Anions Group1	300.0		12/15/23 14:15	
O5829-08	MW-16D	WATER			12/13/23 09:50		12/13/23
			Anions Group1	300.0		12/15/23 14:47	
O5829-09	MW-15	WATER			12/13/23 10:35		12/13/23
			Anions Group1	300.0		12/15/23 15:18	
O5829-09DL	MW-15DL	WATER			12/13/23 10:35		12/13/23
			Anions Group1	300.0		12/15/23 19:00	

SAMPLE DATA

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23 10:20
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-3	SDG No.:	O5829
Lab Sample ID:	O5829-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	50.1	OR	1	0.55	3.00	mg/L		12/15/23 12:09	300.0

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23 10:20
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-3DL	SDG No.:	O5829
Lab Sample ID:	O5829-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	43.6	D	2	1.10	6.00	mg/L		12/15/23 17:57	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23 10:50
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-4	SDG No.:	O5829
Lab Sample ID:	O5829-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	28.0		1	0.55	3.00	mg/L		12/15/23 12:40	300.0

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23 11:40
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-8	SDG No.:	O5829
Lab Sample ID:	O5829-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	36.8		1	0.55	3.00	mg/L		12/18/23 16:04	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23 12:30
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-7	SDG No.:	O5829
Lab Sample ID:	O5829-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	83.7	OR	1	0.55	3.00	mg/L		12/15/23 13:12	300.0

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23 12:30
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-7DL	SDG No.:	O5829
Lab Sample ID:	O5829-04DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	67.3	D	5	2.80	15.0	mg/L		12/15/23 18:28	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23 13:15
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-2	SDG No.:	O5829
Lab Sample ID:	O5829-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	7.00		1	0.55	3.00	mg/L		12/15/23 13:43	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23 14:21
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-9	SDG No.:	O5829
Lab Sample ID:	O5829-06	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	47.2	OR	1	0.55	3.00	mg/L		12/18/23 16:36	300.0

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/12/23 14:21
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-9DL	SDG No.:	O5829
Lab Sample ID:	O5829-06DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	42.4	D	2	1.10	6.00	mg/L		12/18/23 18:11	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23 09:05
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-17	SDG No.:	O5829
Lab Sample ID:	O5829-07	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	30.3		1	0.55	3.00	mg/L		12/15/23 14:15	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23 09:50
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-16D	SDG No.:	O5829
Lab Sample ID:	O5829-08	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	27.5		1	0.55	3.00	mg/L		12/15/23 14:47	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23 10:35
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-15	SDG No.:	O5829
Lab Sample ID:	O5829-09	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	44.2	OR	1	0.55	3.00	mg/L		12/15/23 15:18	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	D&B Engineers and Architects, P.C.	Date Collected:	12/13/23 10:35
Project:	Con Edison - Atlantic Avenue #5324-E02	Date Received:	12/13/23
Client Sample ID:	MW-15DL	SDG No.:	O5829
Lab Sample ID:	O5829-09DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	40.5	D	2	1.10	6.00	mg/L		12/15/23 19:00	300.0

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: D&B Engineers and Architects, P.C.

SDG No.: O5829

Project: Con Edison - Atlantic Avenue #5324-E02

RunNo.: LB128766

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.3	10	103	90-110	12/14/2023
Chloride	mg/L	3.1	3	103	90-110	12/14/2023
Fluoride	mg/L	1.9	2	95	90-110	12/14/2023
Nitrite	mg/L	3.1	3	103	90-110	12/14/2023
Nitrate	mg/L	2.6	2.5	104	90-110	12/14/2023
Sulfate	mg/L	15.3	15	102	90-110	12/14/2023
Orthophosphate as P	mg/L	5.2	5	104	90-110	12/14/2023
Sample ID: CCV1						
Bromide	mg/L	10.2	10	102	90-110	12/15/2023
Chloride	mg/L	3.1	3	103	90-110	12/15/2023
Fluoride	mg/L	1.9	2	95	90-110	12/15/2023
Nitrite	mg/L	3	3	100	90-110	12/15/2023
Nitrate	mg/L	2.5	2.5	100	90-110	12/15/2023
Sulfate	mg/L	15.1	15	101	90-110	12/15/2023
Orthophosphate as P	mg/L	4.6	5	92	90-110	12/15/2023
Sample ID: CCV2						
Bromide	mg/L	10.6	10	106	90-110	12/15/2023
Chloride	mg/L	3.2	3	107	90-110	12/15/2023
Fluoride	mg/L	2.1	2	105	90-110	12/15/2023
Nitrite	mg/L	3.1	3	103	90-110	12/15/2023
Nitrate	mg/L	2.6	2.5	104	90-110	12/15/2023
Sulfate	mg/L	15.4	15	103	90-110	12/15/2023
Orthophosphate as P	mg/L	6.7	5	134	90-110	12/15/2023
Sample ID: CCV3						
Bromide	mg/L	10.3	10	103	90-110	12/15/2023
Chloride	mg/L	3.2	3	107	90-110	12/15/2023
Fluoride	mg/L	2.2	2	110	90-110	12/15/2023
Nitrite	mg/L	3	3	100	90-110	12/15/2023
Nitrate	mg/L	2.5	2.5	100	90-110	12/15/2023
Sulfate	mg/L	15.5	15	103	90-110	12/15/2023
Orthophosphate as P	mg/L	6.4	5	128	90-110	12/15/2023
Sample ID: CCV4						
Bromide	mg/L	9.7	10	97	90-110	12/18/2023
Chloride	mg/L	2.9	3	97	90-110	12/18/2023
Fluoride	mg/L	1.9	2	95	90-110	12/18/2023
Nitrite	mg/L	2.8	3	93	90-110	12/18/2023
Nitrate	mg/L	2.4	2.5	96	90-110	12/18/2023
Sulfate	mg/L	14.3	15	95	90-110	12/18/2023
Orthophosphate as P	mg/L	4.9	5	98	90-110	12/18/2023
Sample ID: CCV5						
Bromide	mg/L	9.8	10	98	90-110	12/18/2023

Initial and Continuing Calibration Verification

Client: D&B Engineers and Architects, P.C.

SDG No.: O5829

Project: Con Edison - Atlantic Avenue #5324-E02

RunNo.: LB128766

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Chloride	mg/L	3	3	100	90-110	12/18/2023
Fluoride	mg/L	2.1	2	105	90-110	12/18/2023
Nitrite	mg/L	2.8	3	93	90-110	12/18/2023
Nitrate	mg/L	2.4	2.5	96	90-110	12/18/2023
Sulfate	mg/L	14.6	15	97	90-110	12/18/2023
Orthophosphate as P	mg/L	5.8	5	116	90-110	12/18/2023

A

B

C

D

Initial and Continuing Calibration Blank Summary

Client: D&B Engineers and Architects, P.C.

SDG No.: O5829

Project: Con Edison - Atlantic Avenue #5324-E02

RunNo.: LB128766

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.27	2	12/14/2023
Chloride	mg/L	< 0.3000	0.3000	U	0.11	0.6	12/14/2023
Fluoride	mg/L	< 0.2000	0.2000	U	0.085	0.4	12/14/2023
Nitrite	mg/L	< 0.3000	0.3000	U	0.089	0.6	12/14/2023
Nitrate	mg/L	< 0.2500	0.2500	U	0.084	0.5	12/14/2023
Sulfate	mg/L	< 1.5000	1.5000	U	0.55	3	12/14/2023
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.30	1	12/14/2023
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.27	2	12/15/2023
Chloride	mg/L	< 0.3000	0.3000	U	0.11	0.6	12/15/2023
Fluoride	mg/L	< 0.2000	0.2000	U	0.085	0.4	12/15/2023
Nitrite	mg/L	< 0.3000	0.3000	U	0.089	0.6	12/15/2023
Nitrate	mg/L	< 0.2500	0.2500	U	0.084	0.5	12/15/2023
Sulfate	mg/L	< 1.5000	1.5000	U	0.55	3	12/15/2023
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.30	1	12/15/2023
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.27	2	12/15/2023
Chloride	mg/L	< 0.3000	0.3000	U	0.11	0.6	12/15/2023
Fluoride	mg/L	< 0.2000	0.2000	U	0.085	0.4	12/15/2023
Nitrite	mg/L	< 0.3000	0.3000	U	0.089	0.6	12/15/2023
Nitrate	mg/L	< 0.2500	0.2500	U	0.084	0.5	12/15/2023
Sulfate	mg/L	< 1.5000	1.5000	U	0.55	3	12/15/2023
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.30	1	12/15/2023
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.27	2	12/15/2023
Chloride	mg/L	< 0.3000	0.3000	U	0.11	0.6	12/15/2023
Fluoride	mg/L	< 0.2000	0.2000	U	0.085	0.4	12/15/2023
Nitrite	mg/L	< 0.3000	0.3000	U	0.089	0.6	12/15/2023
Nitrate	mg/L	< 0.2500	0.2500	U	0.084	0.5	12/15/2023
Sulfate	mg/L	< 1.5000	1.5000	U	0.55	3	12/15/2023
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.30	1	12/15/2023
Sample ID: CCB4							
Bromide	mg/L	< 1.0000	1.0000	U	0.27	2	12/18/2023
Chloride	mg/L	< 0.3000	0.3000	U	0.11	0.6	12/18/2023
Fluoride	mg/L	< 0.2000	0.2000	U	0.085	0.4	12/18/2023
Nitrite	mg/L	< 0.3000	0.3000	U	0.089	0.6	12/18/2023
Nitrate	mg/L	< 0.2500	0.2500	U	0.084	0.5	12/18/2023
Sulfate	mg/L	< 1.5000	1.5000	U	0.55	3	12/18/2023
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.30	1	12/18/2023
Sample ID: CCB5							
Bromide	mg/L	< 1.0000	1.0000	U	0.27	2	12/18/2023
Chloride	mg/L	< 0.3000	0.3000	U	0.11	0.6	12/18/2023
Fluoride	mg/L	< 0.2000	0.2000	U	0.085	0.4	12/18/2023
Nitrite	mg/L	< 0.3000	0.3000	U	0.089	0.6	12/18/2023
Nitrate	mg/L	< 0.2500	0.2500	U	0.084	0.5	12/18/2023
Sulfate	mg/L	< 1.5000	1.5000	U	0.55	3	12/18/2023

Initial and Continuing Calibration Blank Summary

Client: D&B Engineers and Architects, P.C.

SDG No.: O5829

Project: Con Edison - Atlantic Avenue #5324-E02

RunNo.: LB128766

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.30	1	12/18/2023

Preparation Blank Summary

Client: D&B Engineers and Architects, P.C.

SDG No.: O5829

Project: Con Edison - Atlantic Avenue #5324-E02

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB128766BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.27	2	12/15/2023
Chloride	mg/L	< 0.3000	0.3000	U	0.11	0.6	12/15/2023
Fluoride	mg/L	< 0.2000	0.2000	U	0.085	0.4	12/15/2023
Nitrite	mg/L	< 0.3000	0.3000	U	0.089	0.6	12/15/2023
Nitrate	mg/L	< 0.2500	0.2500	U	0.084	0.5	12/15/2023
Sulfate	mg/L	< 1.5000	1.5000	U	0.55	3	12/15/2023
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.3	1	12/15/2023
Sample ID: LB128766BLW2							
Bromide	mg/L	< 1.0000	1.0000	U	0.27	2	12/18/2023
Chloride	mg/L	< 0.3000	0.3000	U	0.11	0.6	12/18/2023
Fluoride	mg/L	< 0.2000	0.2000	U	0.085	0.4	12/18/2023
Nitrite	mg/L	< 0.3000	0.3000	U	0.089	0.6	12/18/2023
Nitrate	mg/L	< 0.2500	0.2500	U	0.084	0.5	12/18/2023
Sulfate	mg/L	< 1.5000	1.5000	U	0.55	3	12/18/2023
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.3	1	12/18/2023

Matrix Spike Summary

Client: D&B Engineers and Architects, P.C. **SDG No.:** O5829
Project: Con Edison - Atlantic Avenue #5324-E02 **Sample ID:** O5829-06
Client ID: MW-9MS **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.5		0.93	J	10	1	96		12/18/2023
Chloride	mg/L	80-120	218	OR	224	OR	3	1	-200	*	12/18/2023
Fluoride	mg/L	80-120	3.70		0.085	U	2	1	185	*	12/18/2023
Nitrite	mg/L	80-120	1.90		0.089	U	3	1	63	*	12/18/2023
Nitrate	mg/L	80-120	4.80		2.30		2.5	1	100		12/18/2023
Sulfate	mg/L	80-120	62.3	OR	47.2	OR	15	1	101		12/18/2023
Orthophosphate as P	mg/L	80-120	7.70		0.30	U	5	1	154	*	12/18/2023

Matrix Spike Summary

Client: D&B Engineers and Architects, P.C. **SDG No.:** O5829
Project: Con Edison - Atlantic Avenue #5324-E02 **Sample ID:** O5829-06
Client ID: MW-9MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.0		0.93	J	10	1	91		12/18/2023
Chloride	mg/L	80-120	218	OR	224	OR	3	1	-200	*	12/18/2023
Fluoride	mg/L	80-120	3.70		0.085	U	2	1	185	*	12/18/2023
Nitrite	mg/L	80-120	1.80		0.089	U	3	1	60	*	12/18/2023
Nitrate	mg/L	80-120	4.70		2.30		2.5	1	96		12/18/2023
Sulfate	mg/L	80-120	61.0	OR	47.2	OR	15	1	92		12/18/2023
Orthophosphate as P	mg/L	80-120	7.80		0.30	U	5	1	156	*	12/18/2023

Matrix Spike Summary

Client:	D&B Engineers and Architects, P.C.	SDG No.:	O5829
Project:	Con Edison - Atlantic Avenue #5324-E02	Sample ID:	O5829-09
Client ID:	MW-15MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	11.1		1.20	J	10	1	99		12/15/2023
Chloride	mg/L	80-120	249	OR	256	OR	3	1	-233	*	12/15/2023
Fluoride	mg/L	80-120	3.70		0.085	U	2	1	185	*	12/15/2023
Nitrite	mg/L	80-120	1.90		0.089	U	3	1	63	*	12/15/2023
Nitrate	mg/L	80-120	7.60	OR	4.90		2.5	1	108		12/15/2023
Sulfate	mg/L	80-120	60.5	OR	44.2	OR	15	1	109		12/15/2023
Orthophosphate as P	mg/L	80-120	6.80		0.30	U	5	1	136	*	12/15/2023

Matrix Spike Summary

Client:	D&B Engineers and Architects, P.C.	SDG No.:	O5829
Project:	Con Edison - Atlantic Avenue #5324-E02	Sample ID:	O5829-09
Client ID:	MW-15MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.7		1.20	J	10	1	95		12/15/2023
Chloride	mg/L	80-120	248	OR	256	OR	3	1	-267	*	12/15/2023
Fluoride	mg/L	80-120	3.80		0.085	U	2	1	190	*	12/15/2023
Nitrite	mg/L	80-120	2.10		0.089	U	3	1	70	*	12/15/2023
Nitrate	mg/L	80-120	7.50	OR	4.90		2.5	1	104		12/15/2023
Sulfate	mg/L	80-120	59.4	OR	44.2	OR	15	1	101		12/15/2023
Orthophosphate as P	mg/L	80-120	6.70		0.30	U	5	1	134	*	12/15/2023

Duplicate Sample Summary

Client:	D&B Engineers and Architects, P.C.	SDG No.:	O5829
Project:	Con Edison - Atlantic Avenue #5324-E02	Sample ID:	O5829-06
Client ID:	MW-9MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Fluoride	mg/L	+/-20	3.70		3.70		1	0		12/18/2023
Chloride	mg/L	+/-20	218	OR	218	OR	1	0		12/18/2023
Orthophosphate as P	mg/L	+/-20	7.70		7.80		1	1		12/18/2023
Nitrate	mg/L	+/-20	4.80		4.70		1	2		12/18/2023
Sulfate	mg/L	+/-20	62.3	OR	61.0	OR	1	2		12/18/2023
Bromide	mg/L	+/-20	10.5		10.0		1	5		12/18/2023
Nitrite	mg/L	+/-20	1.90		1.80		1	5		12/18/2023

Duplicate Sample Summary

Client:	D&B Engineers and Architects, P.C.	SDG No.:	O5829
Project:	Con Edison - Atlantic Avenue #5324-E02	Sample ID:	O5829-09
Client ID:	MW-15MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Chloride	mg/L	+/-20	249	OR	248	OR	1	0		12/15/2023
Orthophosphate as P	mg/L	+/-20	6.80		6.70		1	1		12/15/2023
Nitrate	mg/L	+/-20	7.60	OR	7.50	OR	1	1		12/15/2023
Nitrite	mg/L	+/-20	1.90		2.10		1	10		12/15/2023
Sulfate	mg/L	+/-20	60.5	OR	59.4	OR	1	2		12/15/2023
Fluoride	mg/L	+/-20	3.70		3.80		1	3		12/15/2023
Bromide	mg/L	+/-20	11.1		10.7		1	4		12/15/2023

Laboratory Control Sample Summary

Client:	D&B Engineers and Architects, P.C.	SDG No.:	O5829
Project:	Con Edison - Atlantic Avenue #5324-E02	Run No.:	LB128766

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB128766BSW							
Bromide	mg/L	10	10.5		105	1	90-110	12/15/2023
Chloride	mg/L	3	3.10		103	1	90-110	12/15/2023
Fluoride	mg/L	2	1.90		95	1	90-110	12/15/2023
Nitrite	mg/L	3	3.10		103	1	90-110	12/15/2023
Nitrate	mg/L	2.5	2.50		100	1	90-110	12/15/2023
Sulfate	mg/L	15	15.2		101	1	90-110	12/15/2023
Orthophosphate as P	mg/L	5	5.10		102	1	90-110	12/15/2023

Laboratory Control Sample Summary

Client:	D&B Engineers and Architects, P.C.	SDG No.:	O5829
Project:	Con Edison - Atlantic Avenue #5324-E02	Run No.:	LB128766

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB128766BSW2							
Bromide	mg/L	10	9.70		97	1	90-110	12/18/2023
Chloride	mg/L	3	2.90		97	1	90-110	12/18/2023
Fluoride	mg/L	2	1.90		95	1	90-110	12/18/2023
Nitrite	mg/L	3	2.80		93	1	90-110	12/18/2023
Nitrate	mg/L	2.5	2.40		96	1	90-110	12/18/2023
Sulfate	mg/L	15	14.3		95	1	90-110	12/18/2023
Orthophosphate as P	mg/L	5	4.90		98	1	90-110	12/18/2023

SHIPPING DOCUMENTS

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www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. 05829
COC Number 2042696

8
8.1

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: D3B Engineers & Architects
ADDRESS: 330 Crossways Park Dr
CITY: Woodbury STATE: NY ZIP: 11797
ATTENTION: Tom Fox
PHONE: 516-364-9819 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Edison Atlantic Ave
PROJECT NO.: 5324-E LOCATION: Brooklyn
PROJECT MANAGER: Tom Fox
e-mail: Tfox@d3bens.com
PHONE: 516-364-9819 FAX:

CLIENT BILLING INFORMATION

BILL TO: D3B PO#: 5324-E
ADDRESS: Samp
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 5-Day DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other _____
☒ EDD FORMAT Excel

TLC 8260
SVOCs 8260
Sulfates via 900

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		A/E	E	E							
1.	MW-3	GW		X	12/12	10:20	4	X	X	X							
2.	MW-4				12/12	10:50	4	X	X	X							
3.	MW-8				12/12	11:40	3	X	X	X							cancel SVOCs, Add Vocs - will resample for sulfate
4.	MW-7				12/12	12:30	3	X		X							
5.	MW-2				12/12	1:15	4	X	X	X							
6.	MW-9				12/12	2:21	2	X									
7.	MW-17				12/13	9:05	3	X		X							
8.	MW-16D				12/13	9:30	3	X		X							
9.	MW-15				12/13	10:35	3	X		X							
10.	MW-14				12/13	12:00	3	X	X								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 3.9 °C
1. [Signature]	12/13/23	1. [Signature] 1610 12-13-23	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. [Signature]		2. [Signature]	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. [Signature]	12-13-23	3. [Signature]	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

CHEMTECH

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www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. 05829
COC Number 2042693

8
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CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: D+B Engineers + Architects
ADDRESS: 330 Crossways Park Dr
CITY Woodbury STATE: NJ ZIP: 11797
ATTENTION: Tom Fox
PHONE: 516-364-9810 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Gen Edison Atlantic Ave
PROJECT NO.: 5324-E LOCATION: Brooklyn
PROJECT MANAGER: Tom Fox
e-mail: Tfox@db-eng.com
PHONE: 516-364-9819 FAX:

CLIENT BILLING INFORMATION

BILL TO: D+B PO#: 5324-E
ADDRESS: Same
CITY 11 STATE: 11 ZIP:
ATTENTION: 11 PHONE: 11

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 5-Day DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other _____
☒ EDD FORMAT Excel

TEL 8260
254015 STCL 8270
3. Sulfate via 300

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		ME	E	E							
1.	<u>MW-12</u>	<u>GW</u>		<u>Y</u>	<u>12/13</u>	<u>1:25</u>	<u>3</u>	<u>X</u>	<u>X</u>								<u>Svoc in Plastic</u> <u>IL</u>
2.	<u>MW-13D</u>	<u>GW</u>		<u>Y</u>	<u>12/13</u>	<u>2:10</u>	<u>2</u>	<u>X</u>									
3.	<u>Field-Blank-1</u>	<u>GW</u>		<u>Y</u>	<u>12/13</u>	<u>2:15</u>	<u>2</u>	<u>X</u>									
4.	<u>TB-1</u>	<u>GW</u>		<u>Y</u>	<u>12/13</u>	<u>0000</u>	<u>2</u>	<u>X</u>									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: <u>3.9</u> °C
1. <u>[Signature]</u>	<u>12/13/23</u>	<u>[Signature]</u>	Comments: _____
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <u>[Signature]</u>			
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Page _____ of _____
3. <u>[Signature]</u>	<u>12-13-23</u>	<u>[Signature]</u>	CLIENT: ☐ Hand Delivered ☐ Other _____ CHEMTECH: ☐ Picked Up ☐ Field Sampling
			Shipment Complete ☐ YES ☐ NO

CHEMTECH

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CHEMTECH PROJECT NO. 05829
QUOTE NO.
COC Number 2042697

8
8.1

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: D+B Engineers & Architects

ADDRESS: 330 Crosswicks Park Dr.

CITY: Woodbury STATE: NJ ZIP: 11796

ATTENTION: Tom Fox

PHONE: 516-364-9819 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Ed Atlantic Ave Same

PROJECT NO.: 5324-B LOCATION: Brooklyn

PROJECT MANAGER: Tom Fox

e-mail: Tfox@dbeng.com

PHONE: 516-364-9819 FAX:

CLIENT BILLING INFORMATION

BILL TO: Same PO#: 5324-E

ADDRESS: 11

CITY: 11 STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*

HARDCOPY (DATA PACKAGE): 5-Day DAYS*

EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)

☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP

☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B

+ Raw Data) ☐ Other

EDD FORMAT Excel

Sulfates via 300

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	1	2	3	4	5	6	7	8		9
1.	MW-8	GL		GR	12/15	8:55	1	X										1) PL Plastic
2.	MW-9	↓			12/15	9:45	1	X										↓
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 3.0 °C
1. [Signature]	12/15/23	[Signature] 12-15-23	Comments: Cat B + Equis
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. [Signature]	12-15-23	3. [Signature]	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

From: Robbin Petrella <RPetrella@db-eng.com>
Sent: Thursday, December 14, 2023 11:59 AM
To: brandon@chemtech.net
Cc: Thomas Fox; Daniel Sassone
Subject: Atlantic Ave
Attachments: o5829 revised.pdf; sample requirements.xlsx

Ok went through the COCs. And looks for the most part we are good with the following issues:

MW-08 should be analyzed for VOCs and Sulfate. **CANCEL SVOCs** D&B to sample resample for Sulfate
 MW-09 should be analyzed for VOCs and Sulfate. D&B to sample for Sulfate. See attached COC



Robbin A. Petrella
 Senior Associate
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 Woodbury, NY 11797
 P: 516-364-9890 ext. 3049
 F: 516-364-9045
rpetrella@db-eng.com
www.db-eng.com

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From: Brandon Lomax <brandon@chemtech.net>
Sent: Thursday, December 14, 2023 11:18 AM
To: Robbin Petrella <RPetrella@db-eng.com>
Subject: Previous COC's

Good morning,

Please see attached

Respectfully,

Brandon Lomax
 Project Manager

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 Direct: (908) 728-3148
Brandon@chemtech.net | www.chemtech.net

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From: Brandon Lomax <brandon@chemtech.net>
Sent: Thursday, December 14, 2023 9:51 AM
To: 'Thomas Fox'
Subject: SVOC SAMPLES
Attachments: o5829.pdf

Good morning,

Please be advised that for the attached COC picked up yesterday that there were 2 1L ambers missing for samples MW-8 and MW-12. Also, MW-14 was in a baby amber so it will be done with limited volume.

Respectfully,

Brandon Lomax
Project Manager

CHEMTECH

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Direct: (908) 728-3148
Brandon@chemtech.net | www.chemtech.net

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Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2022022
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-23-16

Order ID : O5829 DVIR01

Order Date : 12/13/2023 4:53:00 PM

Project Mgr : Brandon

Client Name : D&B Engineers and Archite

Project Name : Con Edison - Atlantic Aven

Report Type : NYS ASP B

Client Contact : Thomas P. Fox

Receive DateTime : 12/13/2023 7:11:00 PM

EDD Type : NYSDEC EDD V-4

Invoice Name : D&B Engineers and Archite

Purchase Order :

Hard Copy Date :

Invoice Contact : Thomas P. Fox

Date Signoff : 12/14/2023 9:35:04 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
O5829-01	MW-3	Water	12/12/2023	10:20	VOCMS Group1		8260-Low	5 Bus. Days	
O5829-02	MW-4	Water	12/12/2023	10:50	VOCMS Group1		8260-Low	5 Bus. Days	
O5829-04	MW-7	Water	12/12/2023	12:30	VOCMS Group1		8260-Low	5 Bus. Days	
O5829-05	MW-2	Water	12/12/2023	13:15	VOCMS Group1		8260-Low	5 Bus. Days	
O5829-06	MW-9	Water	12/12/2023	14:21	VOCMS Group1		8260-Low	5 Bus. Days	
O5829-07	MW-17	Water	12/13/2023	09:05	VOCMS Group1		8260-Low	5 Bus. Days	
O5829-08	MW-16D	Water	12/13/2023	09:50	VOCMS Group1		8260-Low	5 Bus. Days	
O5829-09	MW-15	Water	12/13/2023	10:35	VOCMS Group1		8260-Low	5 Bus. Days	
O5829-10	MW-14	Water	12/13/2023	12:00					

Order ID : O5829 DVIR01

Order Date : 12/13/2023 4:53:00 PM

Project Mgr : Brandon

Client Name : D&B Engineers and Archite

Project Name : Con Edison - Atlantic Aven

Report Type : NYS ASP B

Client Contact : Thomas P. Fox

Receive DateTime : 12/13/2023 7:11:00 PM

EDD Type : NYSDEC EDD V-4

Invoice Name : D&B Engineers and Archite

Purchase Order :

Hard Copy Date :

Invoice Contact : Thomas P. Fox

Date Signoff : 12/14/2023 9:35:04 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
O5829-11	MW-12	Water	12/13/2023	13:25	VOCMS Group1		8260-Low	5 Bus. Days	
O5829-12	MW-13D	Water	12/13/2023	14:10	VOCMS Group1		8260-Low	5 Bus. Days	
O5829-13	FIELD-BLANK-1	Water	12/13/2023	14:15	VOCMS Group1		8260-Low	5 Bus. Days	
O5829-14	TB-1	Water	12/13/2023	00:00	VOCMS Group1		8260-Low	5 Bus. Days	
O5829-03	MW-8	Water	12/12/2023	11:40	VOCMS Group1		8260-Low	5 Bus. Days	
BL 12/27/23									

Relinquished By : 

Date / Time :

12-14-23 0938

Received By : 

Date / Time :

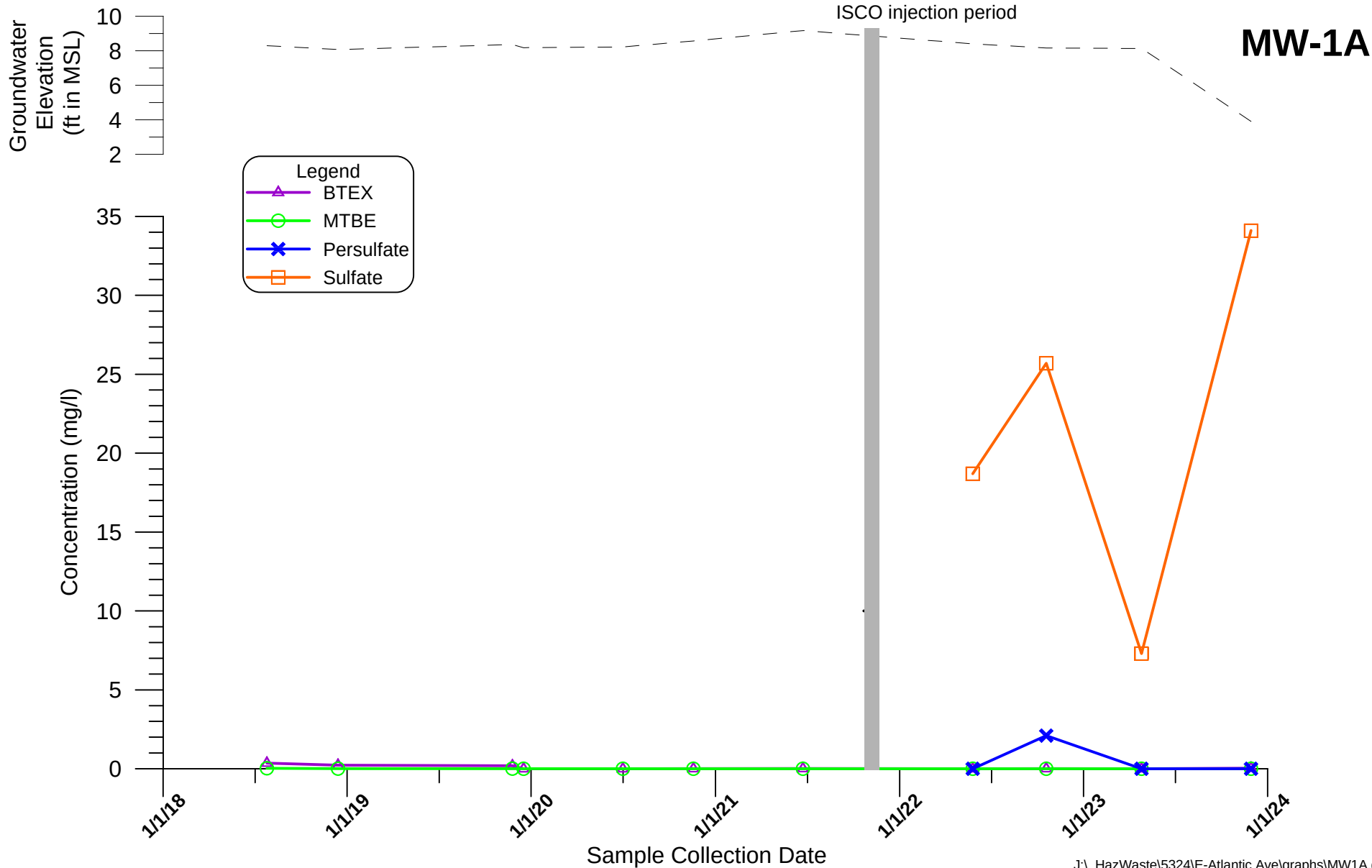
12/14/23

938

Storage Area : VOA Refridgerator Room

ATTACHMENT D

GROUNDWATER MTBE AND BTEX CONCENTRATION TREND CHARTS



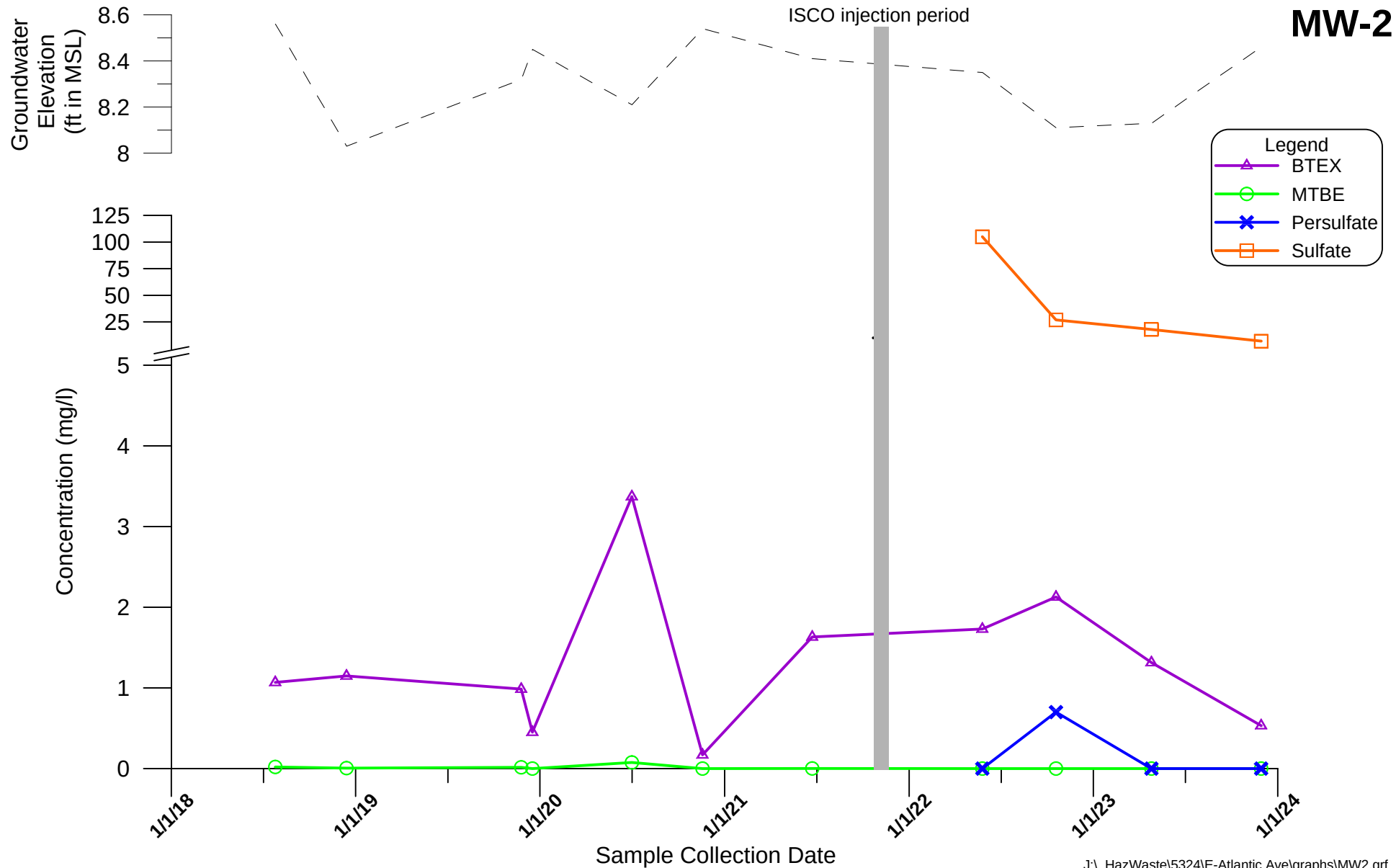
J:_HazardWaste\5324\E-Atlantic Ave\graphs\MW1A.grf



**D&B ENGINEERS
AND ARCHITECTS**

Con Edison
Atlantic Avenue, Brooklyn, NY
MW-1A Trend Graph for Total BTEX, MTBE,
Persulfate/Sulfate, and Groundwater Elevation

**Attachment
D**



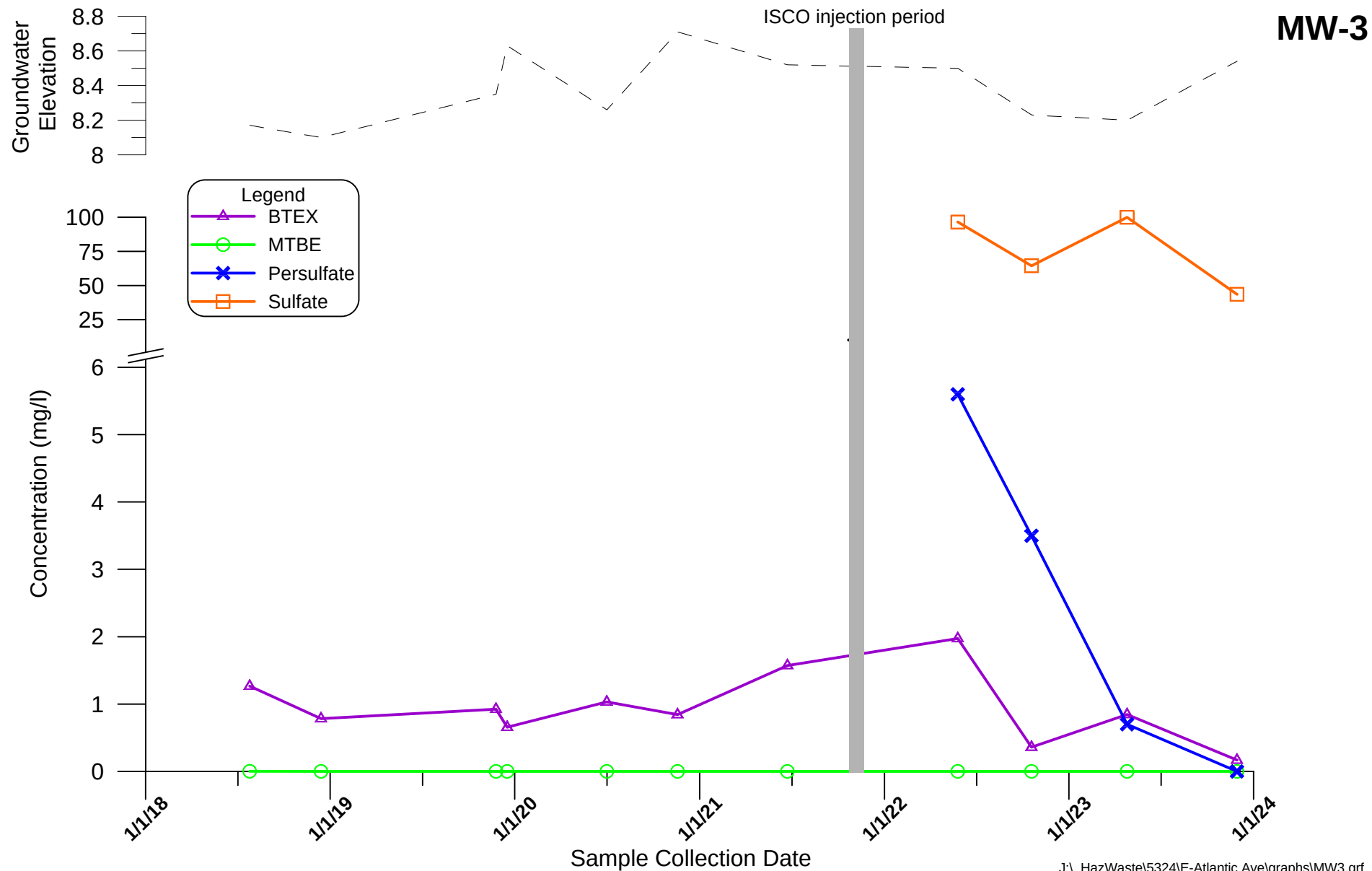
J:_HazWaste\5324\E-Atlantic Ave\graphs\MW2.grf

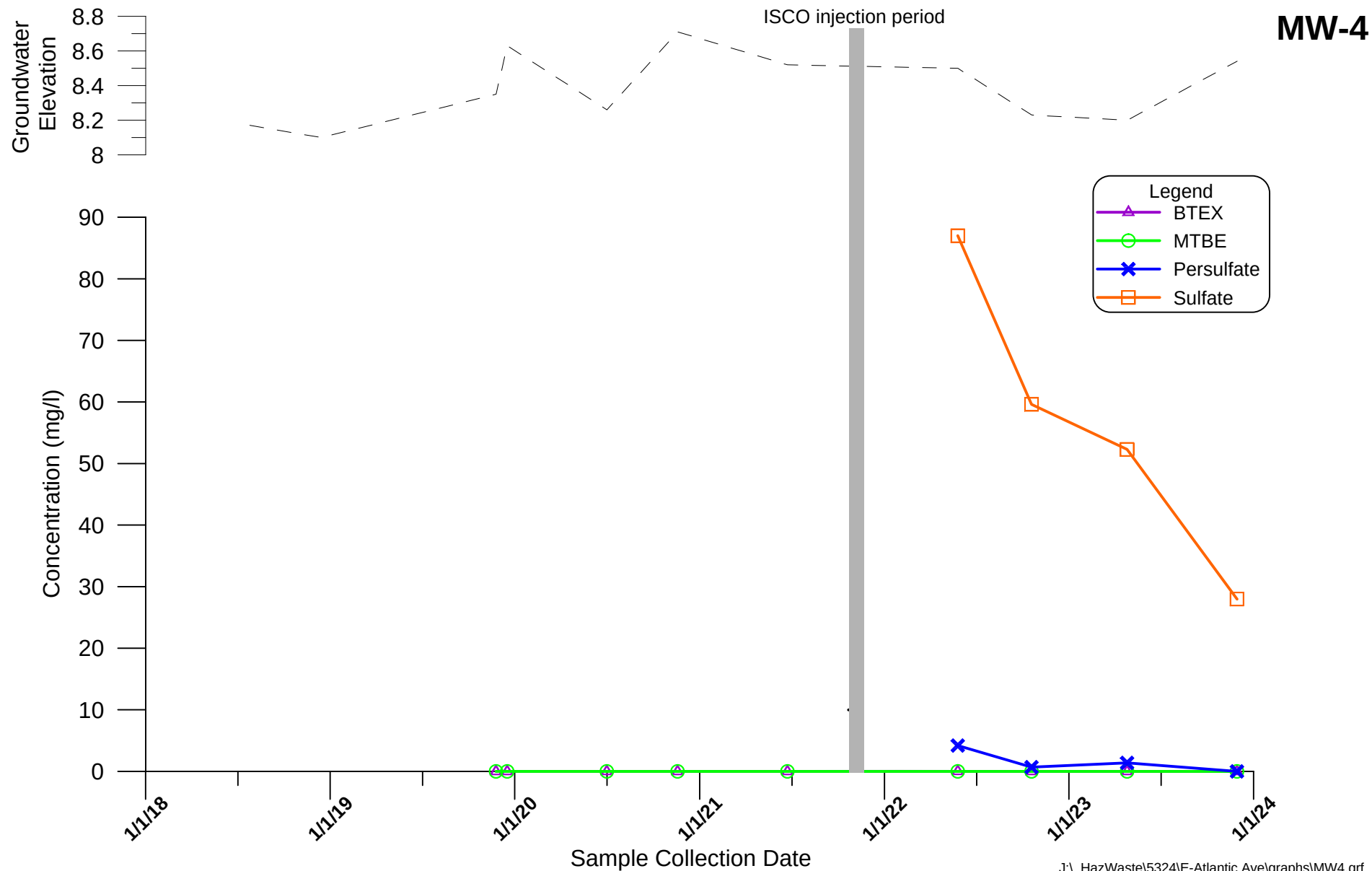


D&B ENGINEERS
AND ARCHITECTS

Con Edison
Atlantic Avenue, Brooklyn, NY
MW-2 Trend Graph for Total BTEX, MTBE,
Persulfate/Sulfate, and Groundwater Elevation

Attachment
D





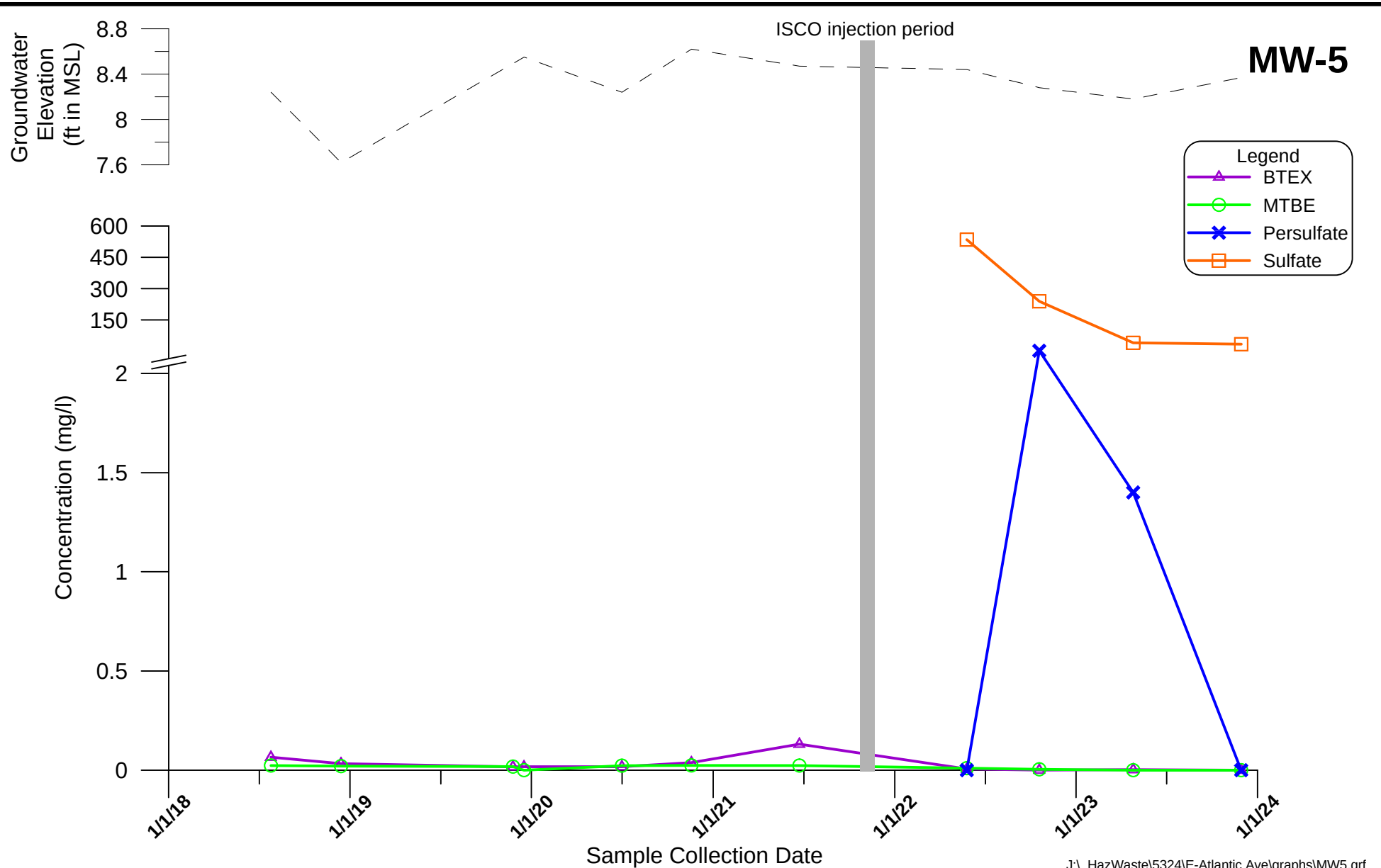
J:_HazWaste\5324\E-Atlantic Ave\graphs\MW4.grf

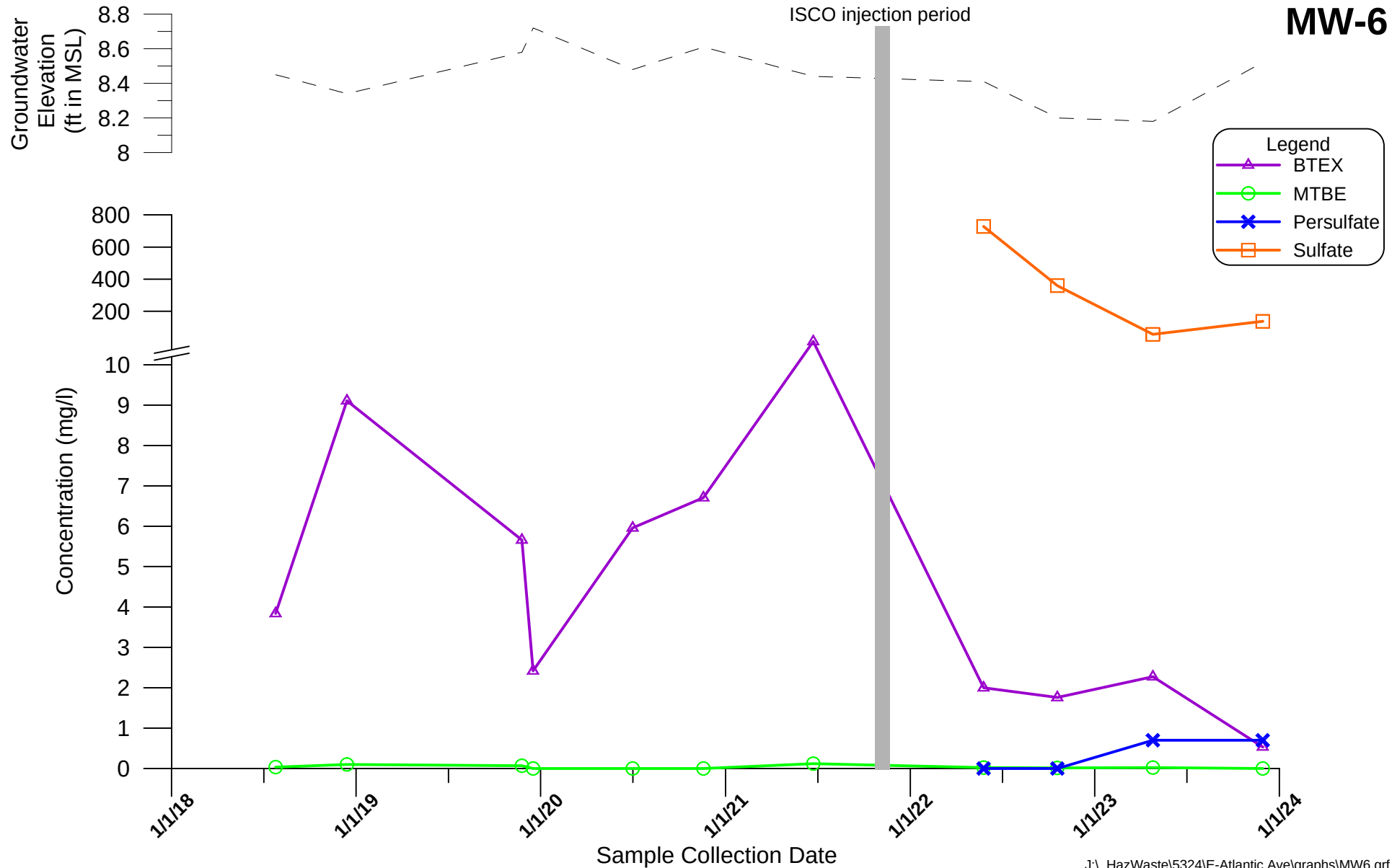


**D&B ENGINEERS
AND ARCHITECTS**

**Con Edison
Atlantic Avenue, Brooklyn, NY
Historical Laboratory Data and Groundwater Elevation
Monitoring Well 4**

**Attachment
D**





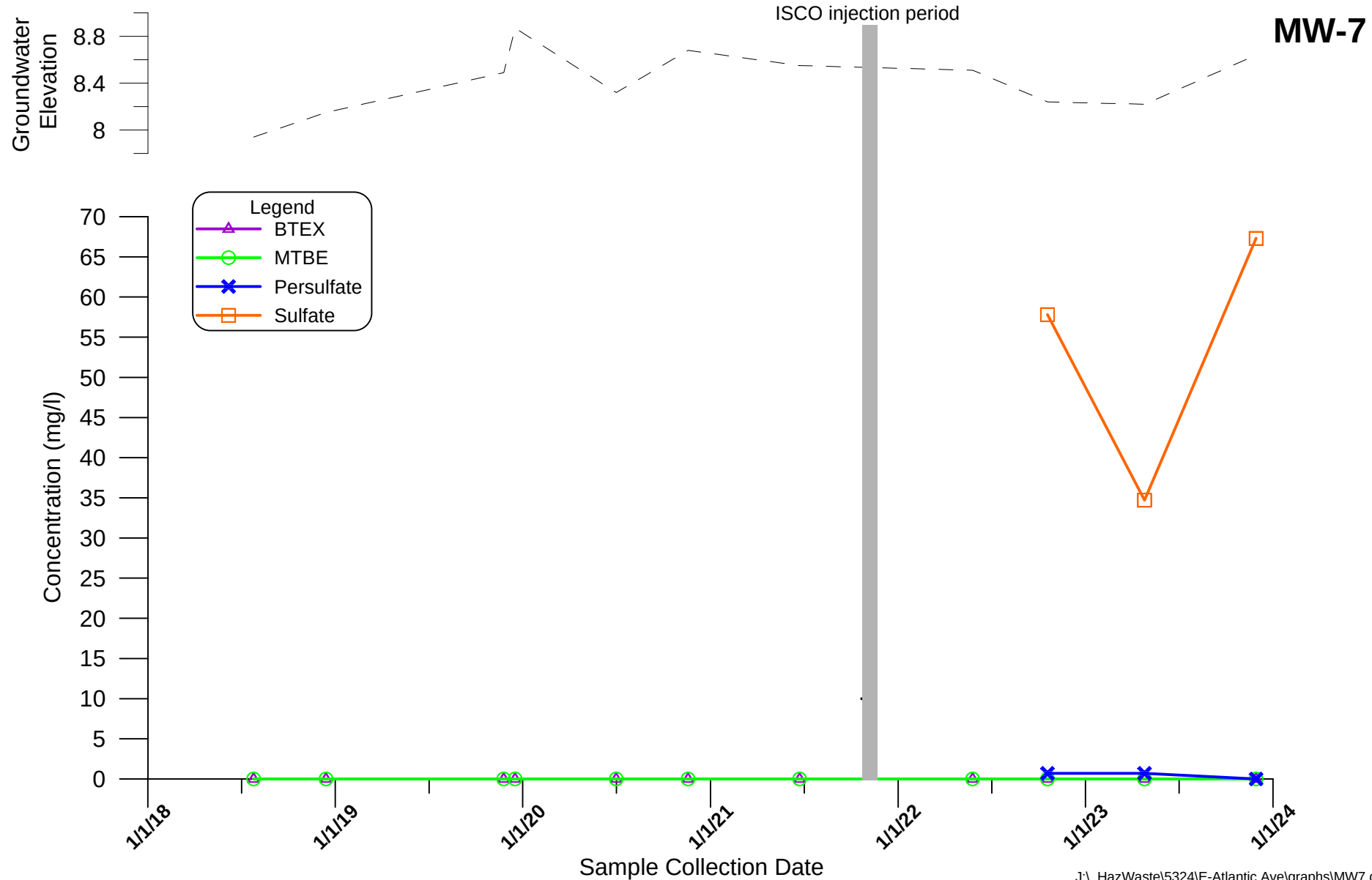
J:_HazWaste\5324\E-Atlantic Ave\graphs\MW6.grf



**D&B ENGINEERS
AND ARCHITECTS**

Con Edison
Atlantic Avenue, Brooklyn, NY
MW-6 Trend Graph for Total BTEX, MTBE,
Persulfate/Sulfate, and Groundwater Elevation

**Attachment
D**



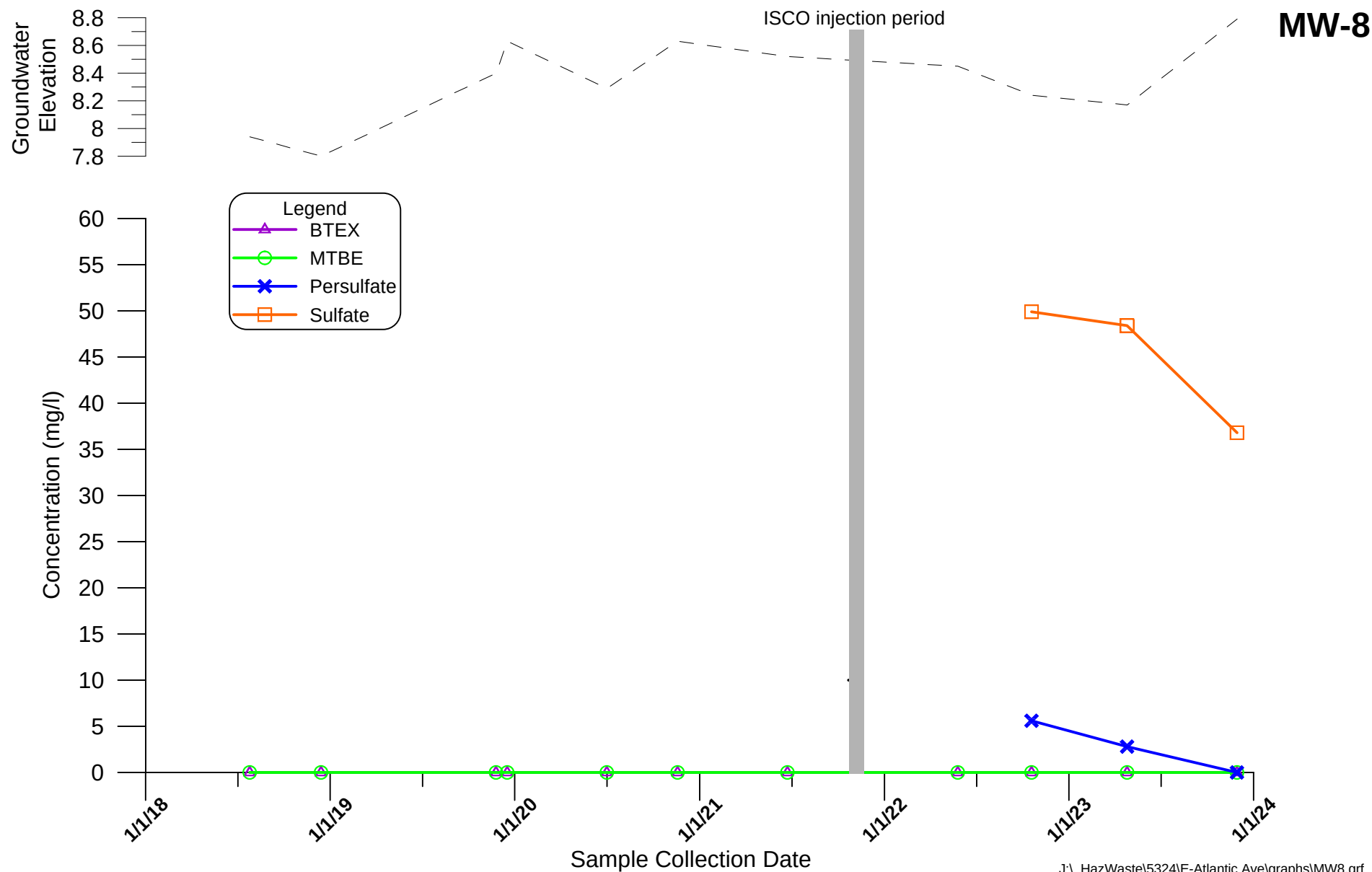
J:_HazWaste\5324\E-Atlantic Ave\graphs\MW7.grf



**D&B ENGINEERS
AND ARCHITECTS**

Con Edison
Atlantic Avenue, Brooklyn, NY
Historical Laboratory Data and Groundwater Elevation
Monitoring Well 7

**Attachment
D**



J:_HazWaste\5324\E-Atlantic Ave\graphs\MW8.grf

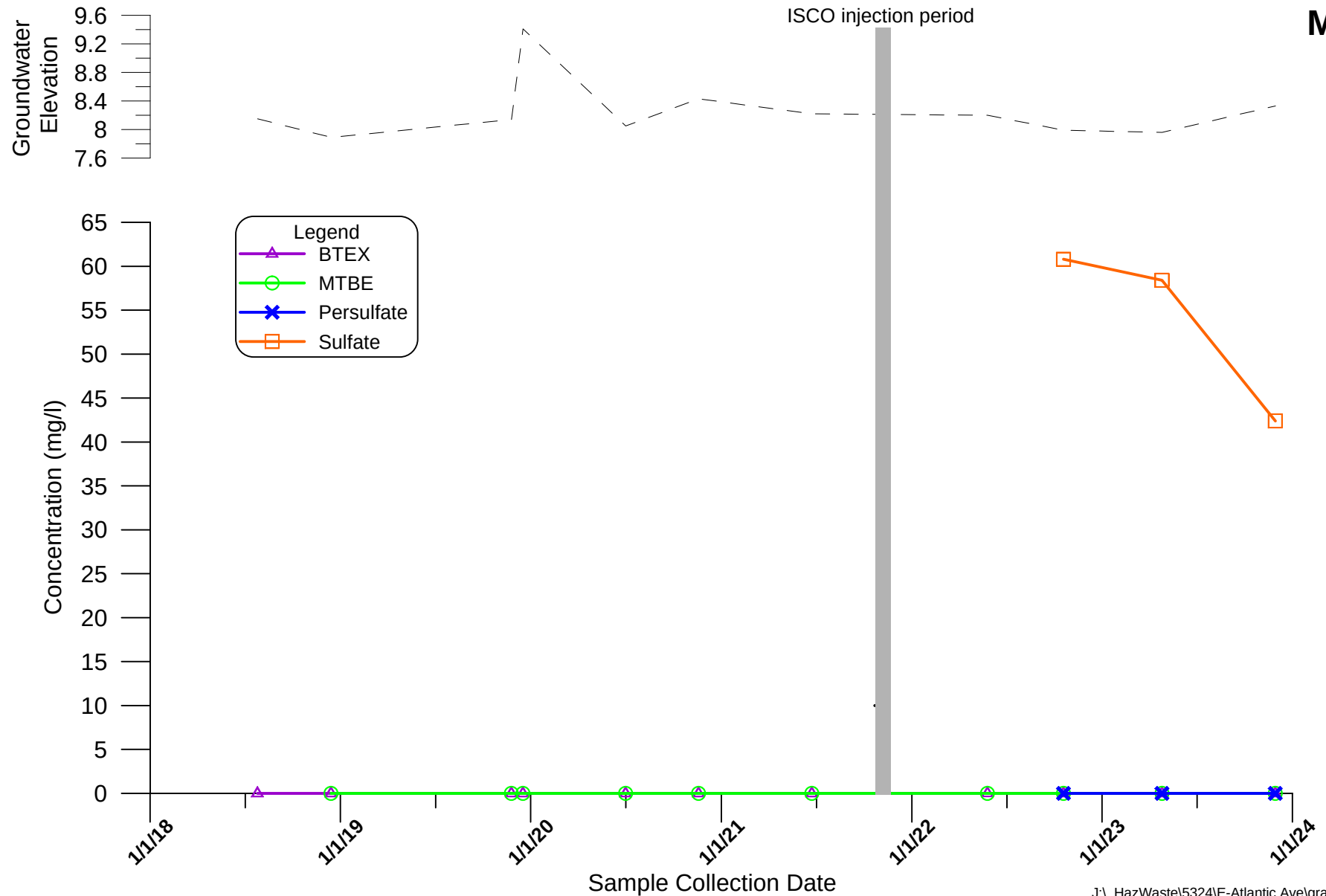


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AND ARCHITECTS**

Con Edison
Atlantic Avenue, Brooklyn, NY
Historical Laboratory Data and Groundwater Elevation
Monitoring Well 8

**Attachment
D**

MW-9



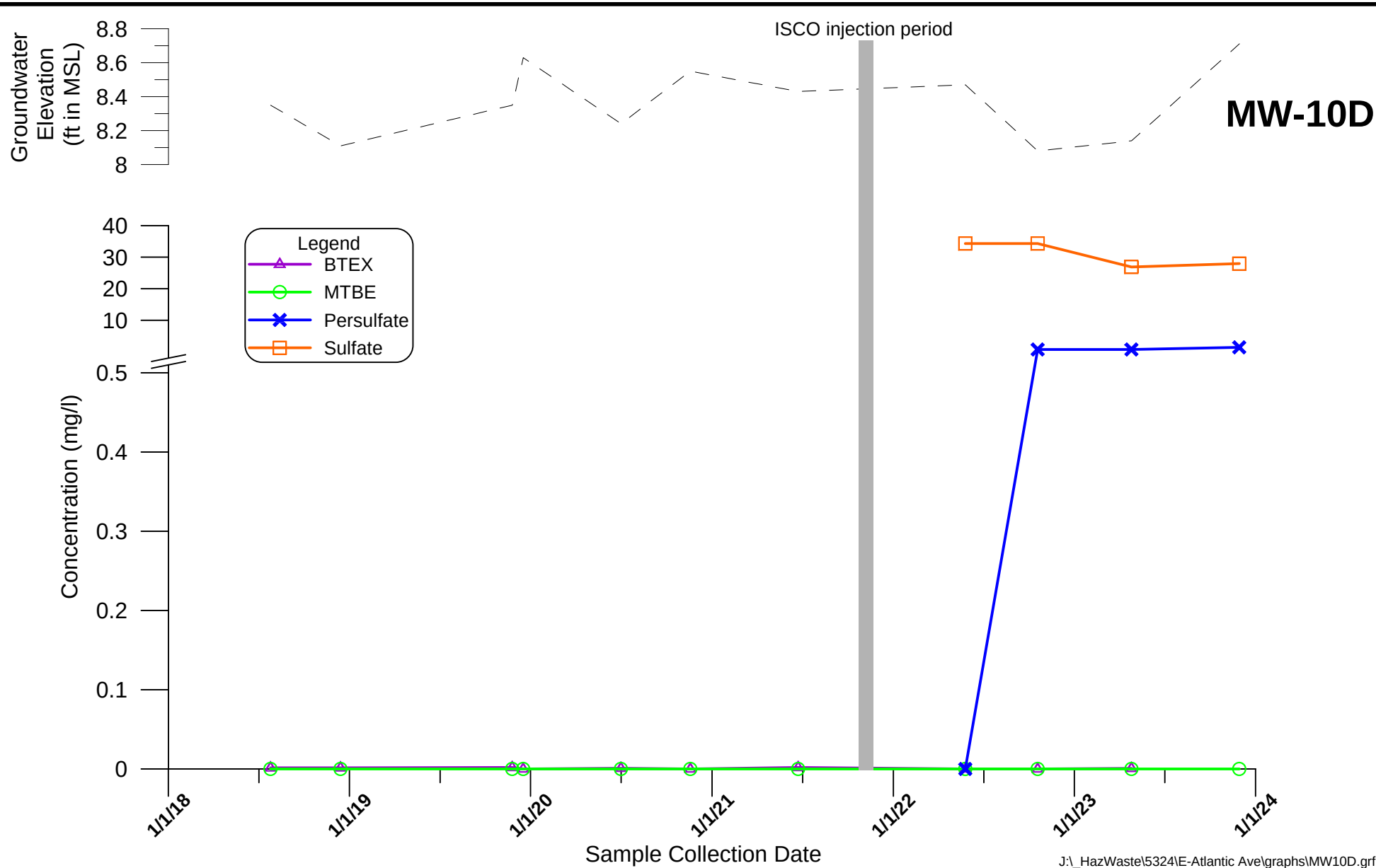
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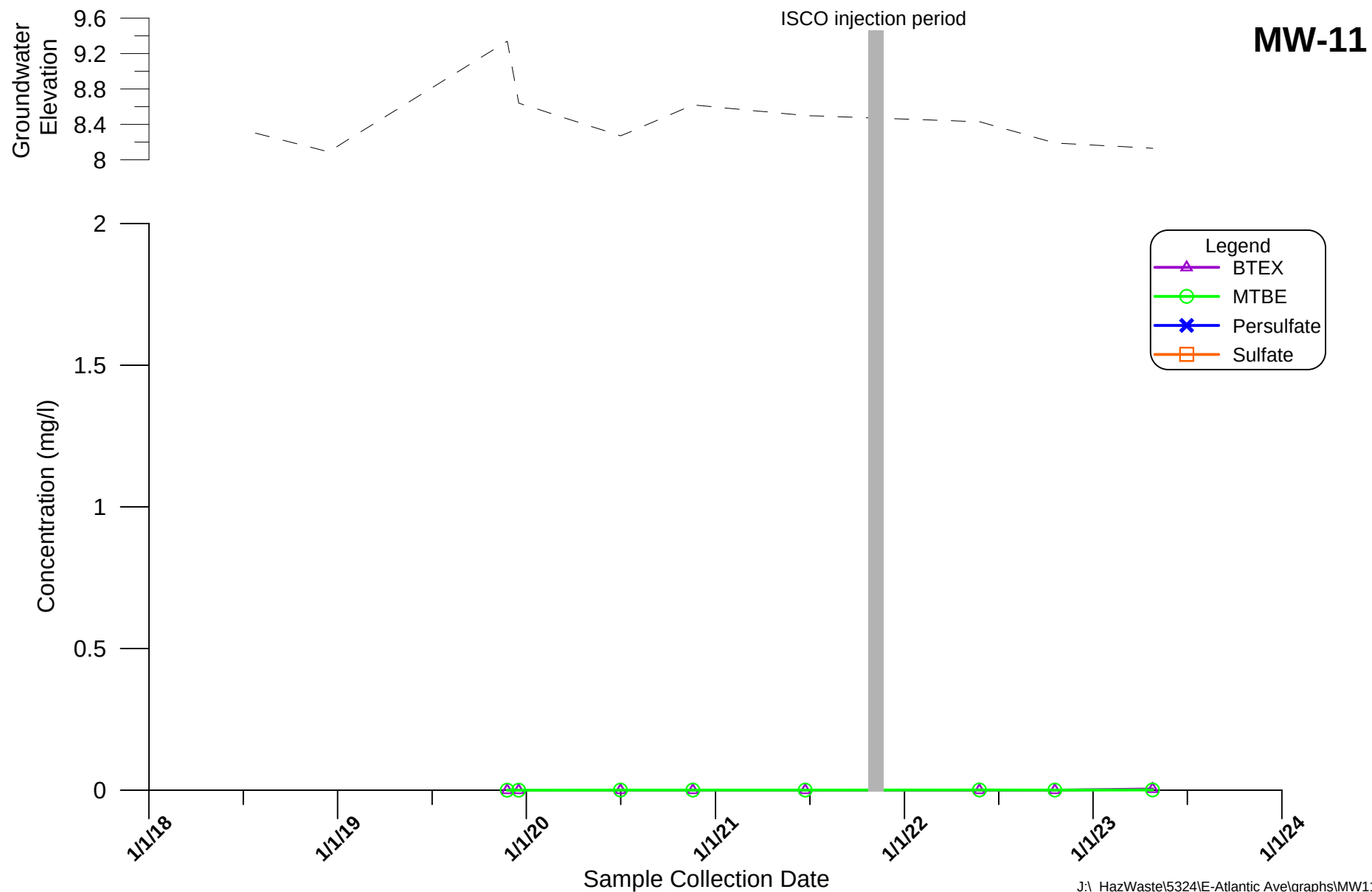


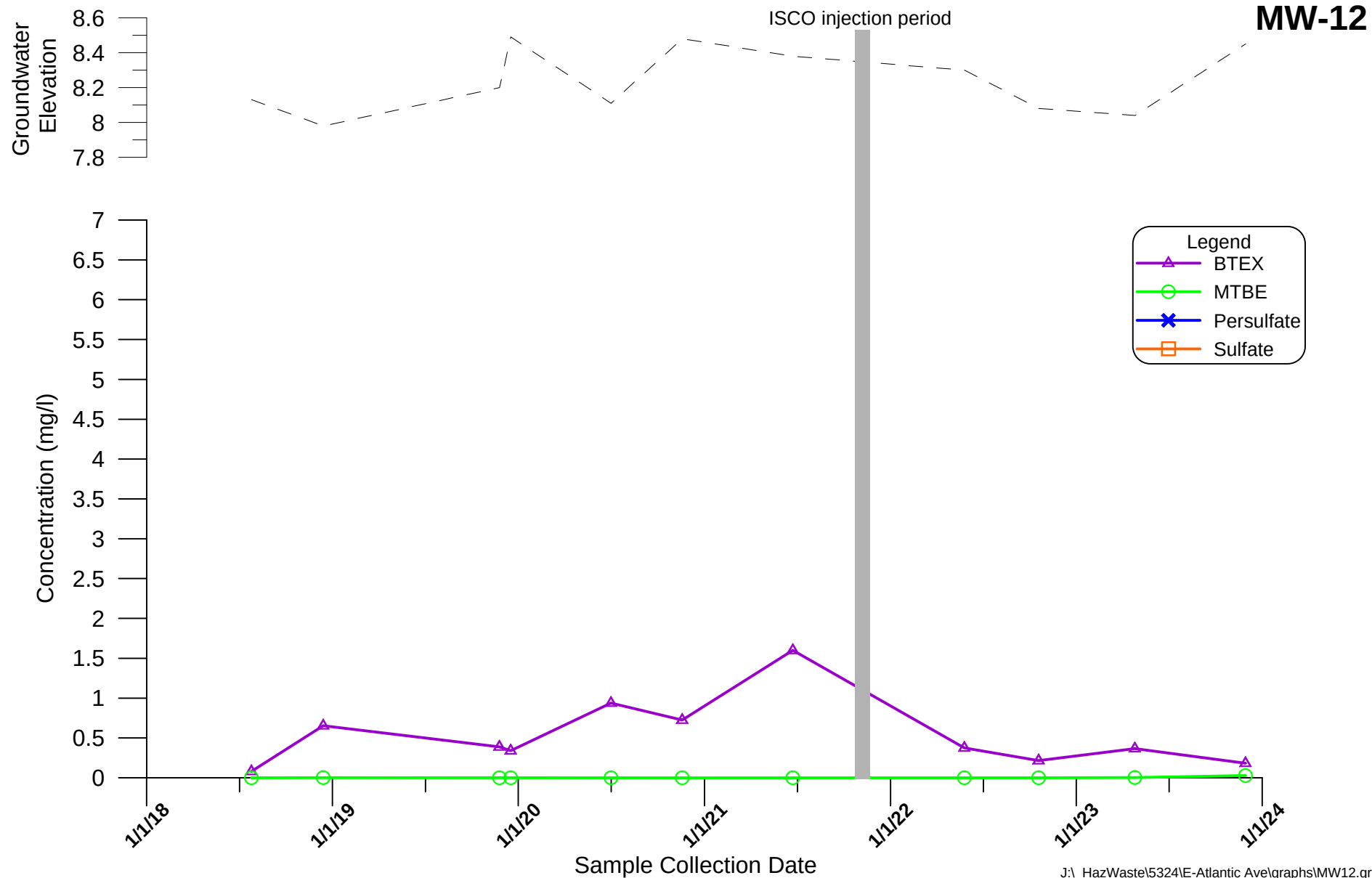
D&B ENGINEERS
AND ARCHITECTS

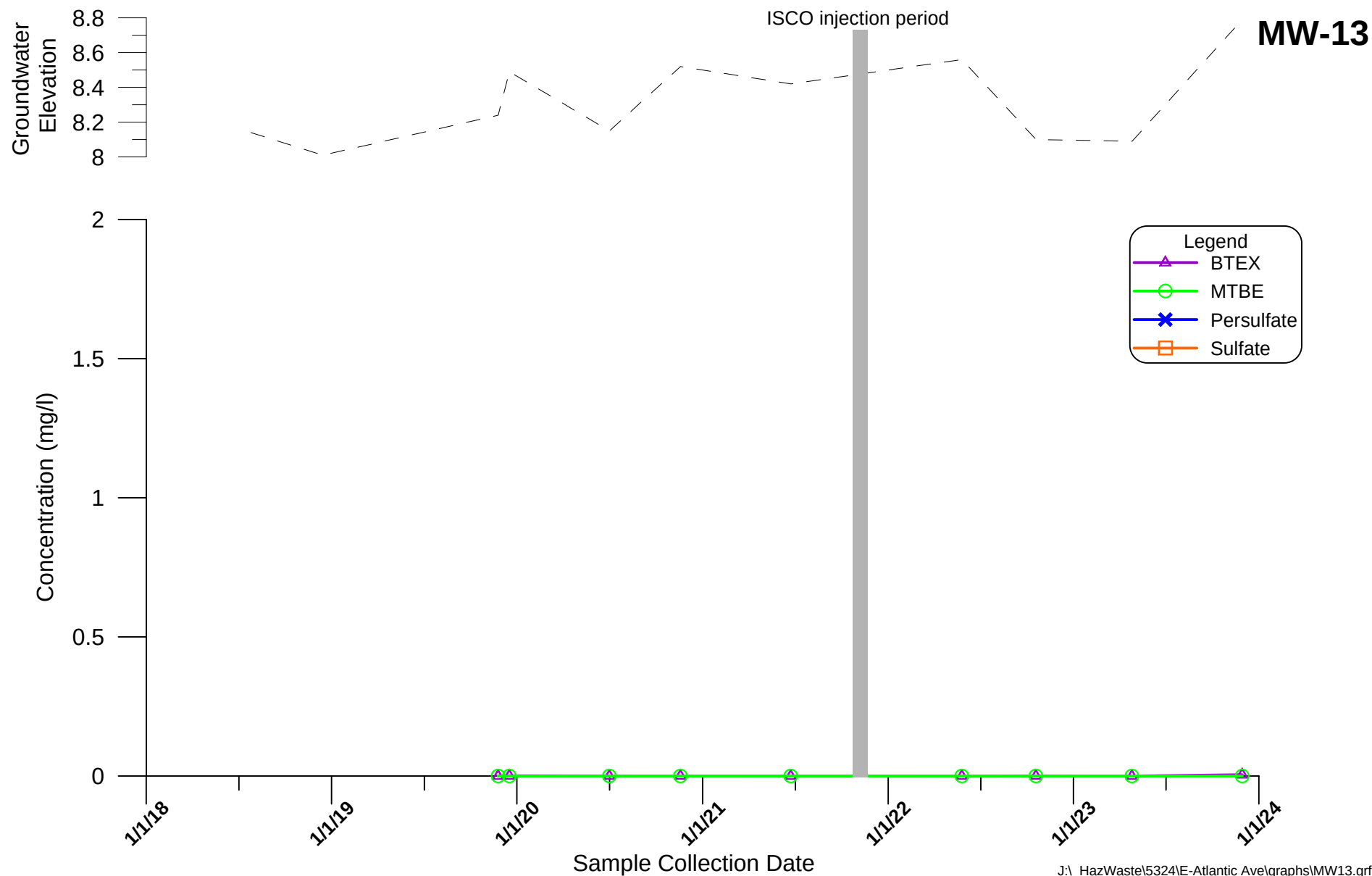
Con Edison
Atlantic Avenue, Brooklyn, NY
Historical Laboratory Data and Groundwater Elevation
Monitoring Well 9

Attachment
D





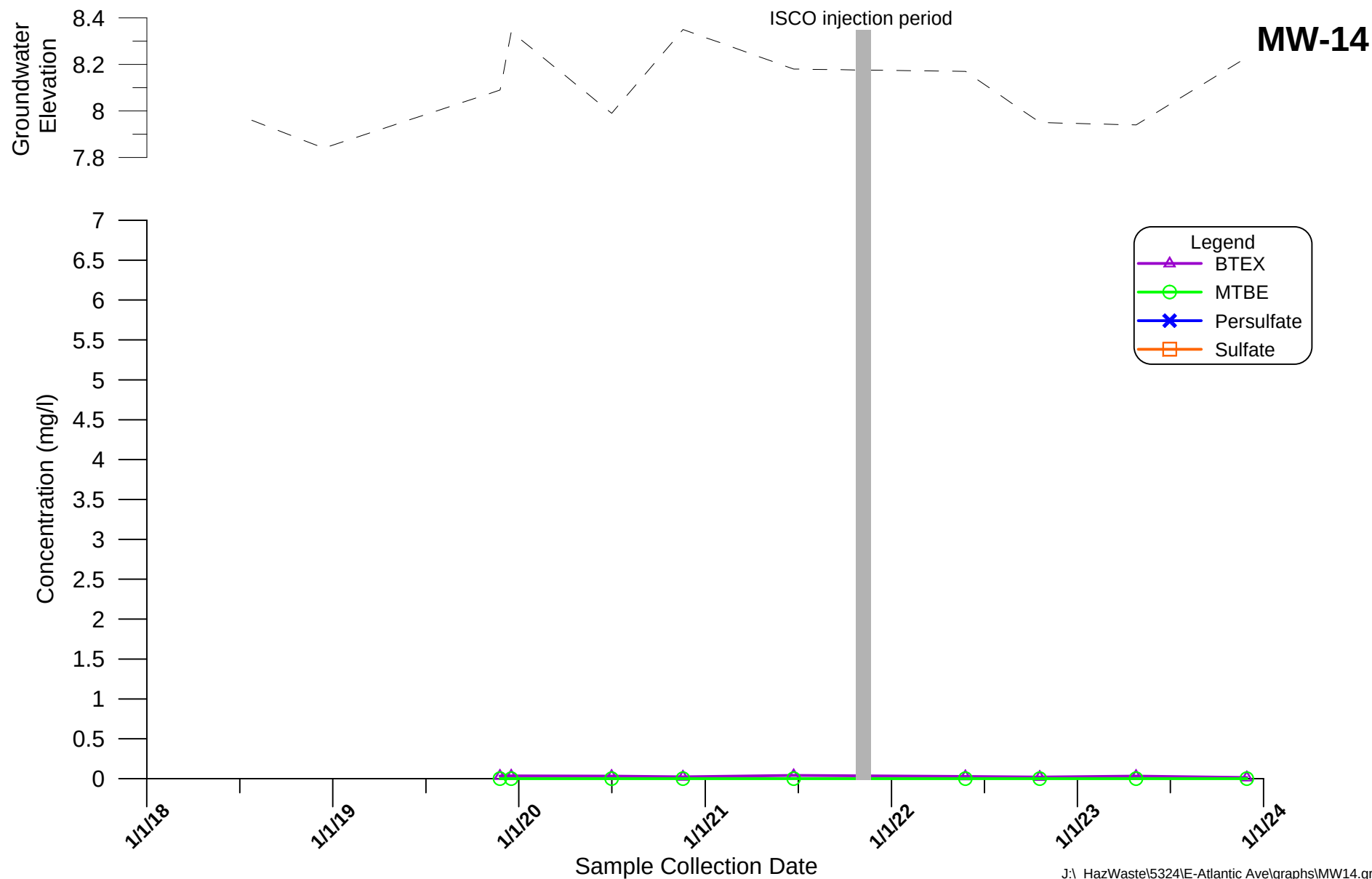




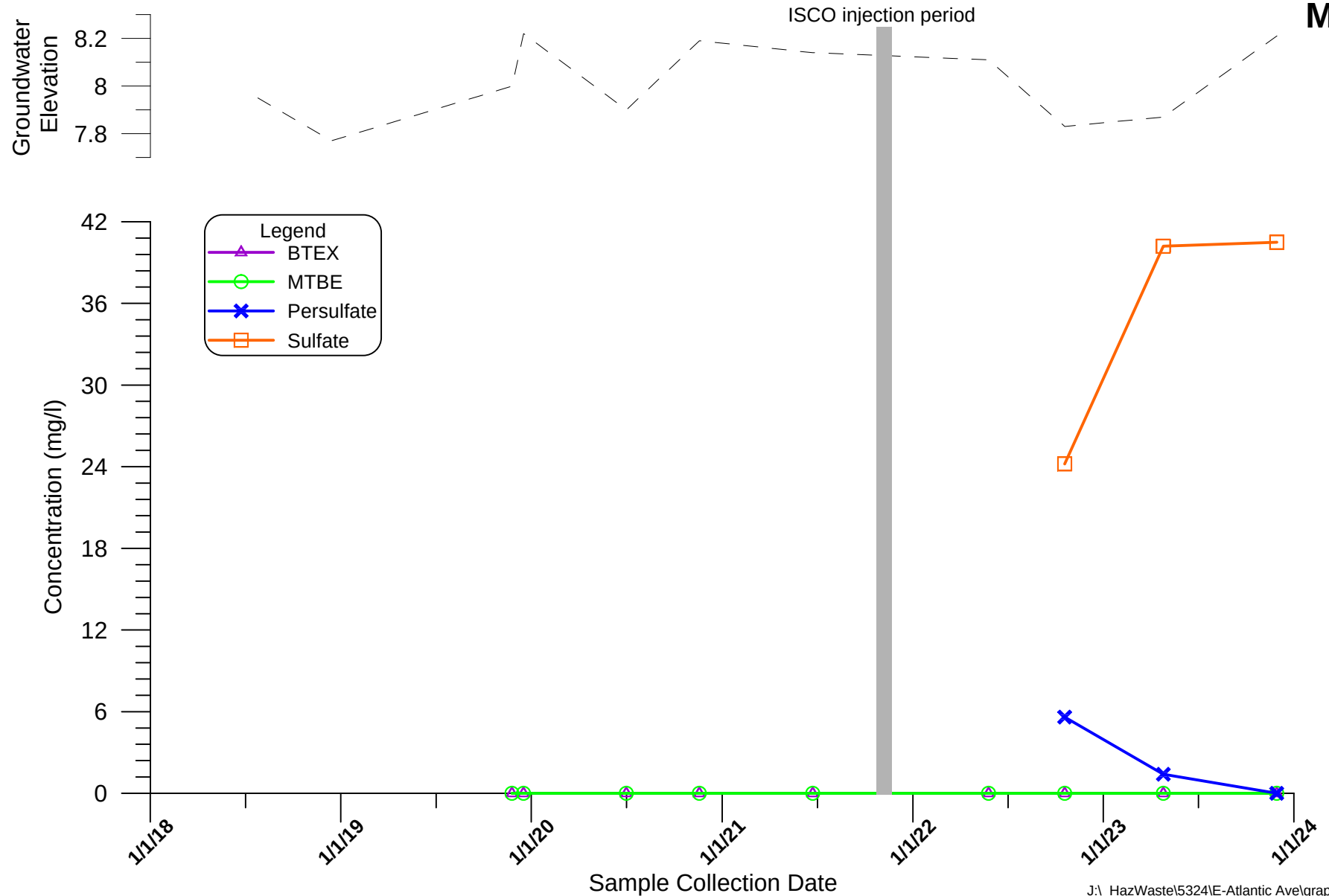
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**Con Edison
Atlantic Avenue, Brooklyn, NY
Historical Laboratory Data and Groundwater Elevation
Monitoring Well 13**

**Attachment
D**



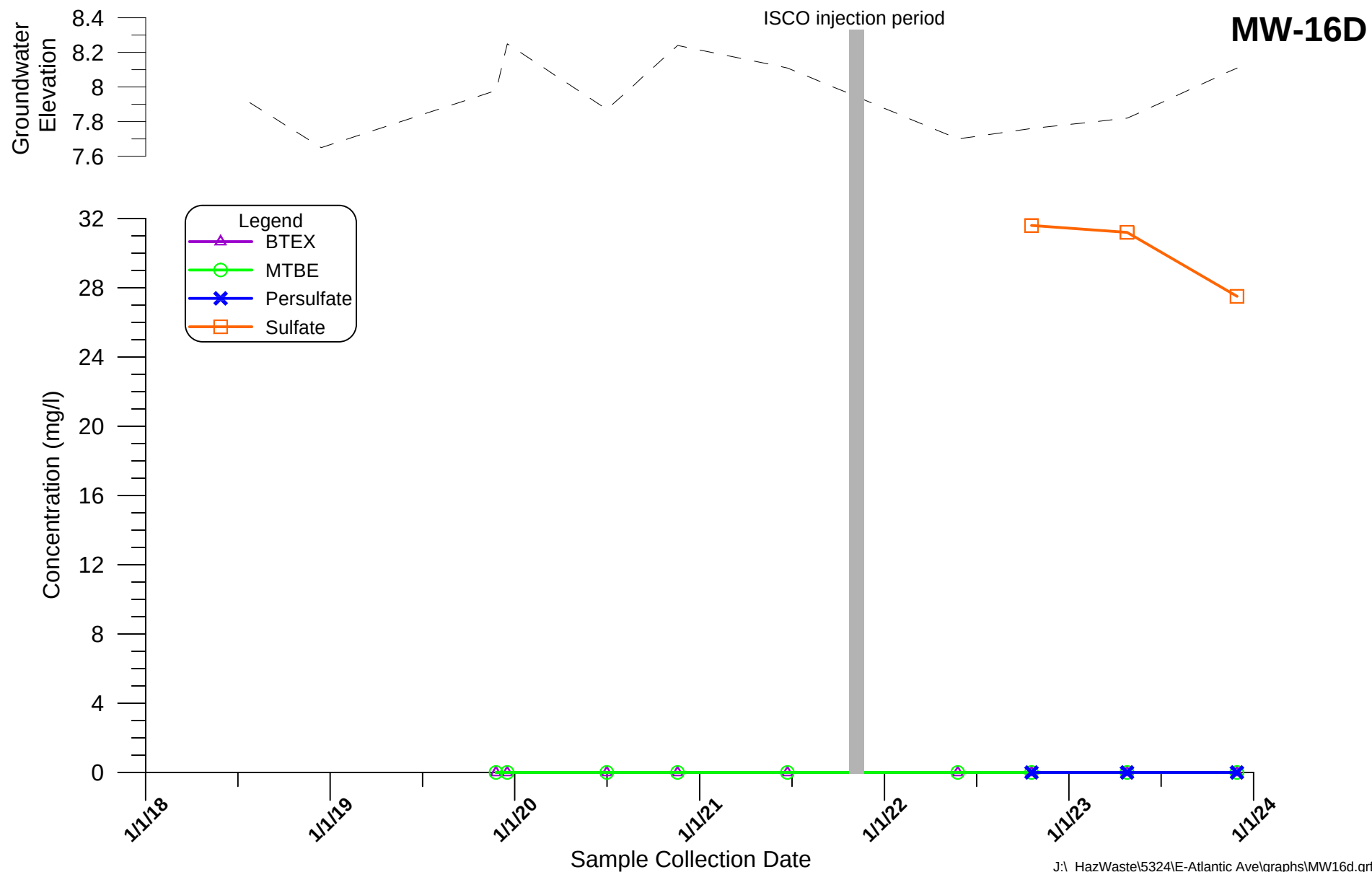
MW-15

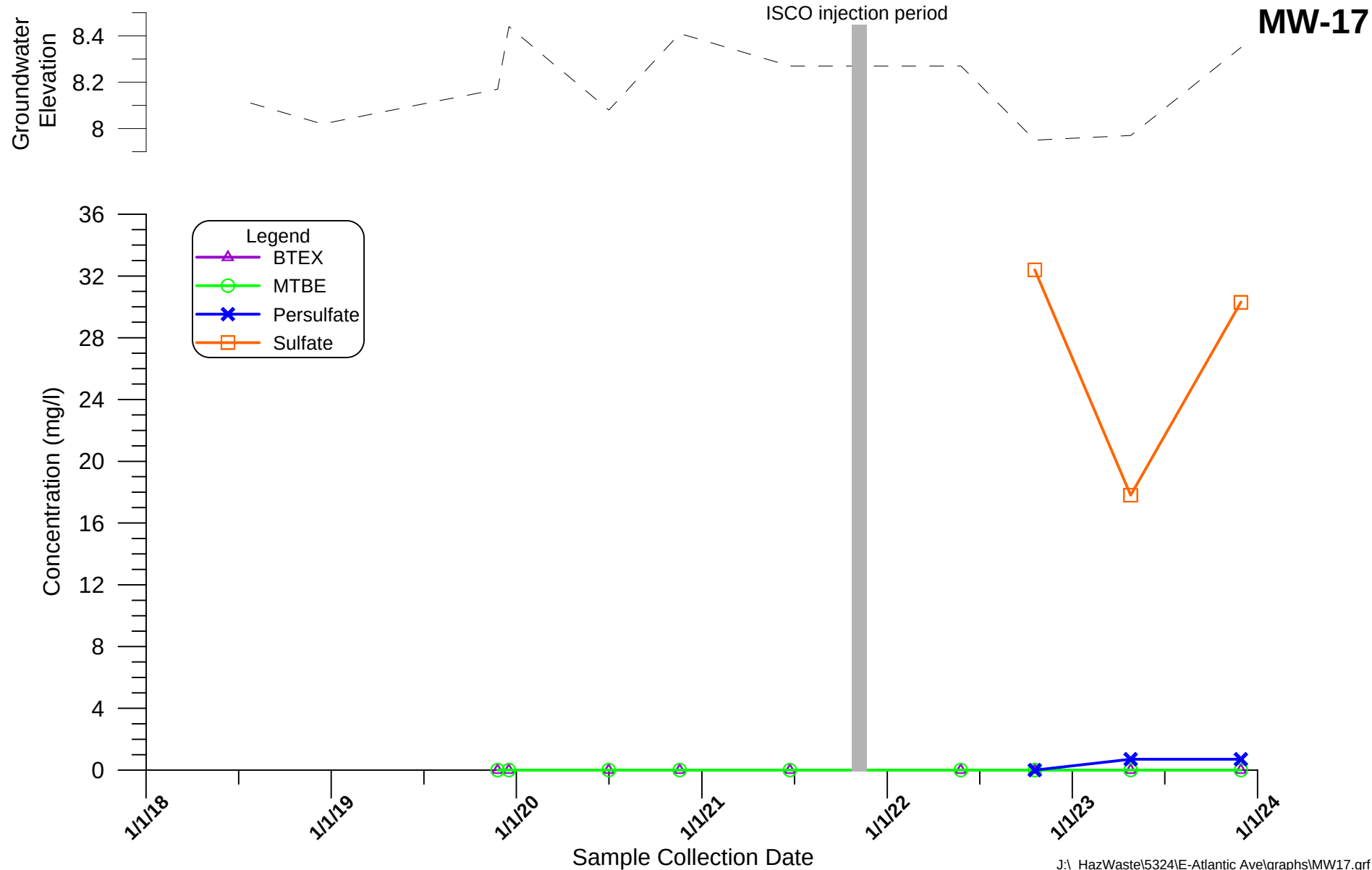


D&B ENGINEERS
AND ARCHITECTS

Con Edison
Atlantic Avenue, Brooklyn, NY
Historical Laboratory Data and Groundwater Elevation
Monitoring Well 15

Attachment
D





**D&B ENGINEERS
AND ARCHITECTS**

Con Edison
Atlantic Avenue, Brooklyn, NY
Historical Laboratory Data and Groundwater Elevation
Monitoring Well 17

**Attachment
D**

ATTACHMENT E

WASTE MANIFEST