



January 15, 2025

April L. Gasparri
Director of Aviation
Westchester County Airport
240 Airport Road Suite 202
White Plains, NY 10604

Via Electronic Transmission: axqc@westchestergov.com

RE: Westchester County Airport
October 2024 Semi-Annual
Groundwater Sampling Results

Dear Ms. Gasparri:

This letter presents results for the second semi-annual groundwater sampling event of 2024 at the Westchester County Airport, which was completed between October 21 and 25. The sampling is part of a groundwater monitoring program reinstated by the County in August 2018; the previous program ran from 2001 – 2011. The monitoring program was reinstated in response to a November 2017 sampling event that confirmed the presence of per- and polyfluoroalkyl substances (PFAS) in several airport monitor wells. PFAS are a class of man-made chemicals that include thousands of individual compounds which are used in a variety of products. One of those products, Class B Aqueous Film Forming Foams (AFFF), is used to fight petroleum-based fires. Different types of these foams, including PFOS (perfluorooctanesulfonic acid) based AFFF and fluorotelomer AFFF, were used at the airport over a period of years during fire training activities. These activities were conducted in an onsite burn pit, first by the Air National Guard, a former tenant who left the site in 1983, and later by the airport in compliance with Federal Aviation Administration (FAA) regulations; use of the burn pit ceased in the late 1990s.

In response to the onsite PFAS detections, a site-wide investigation was completed in 2020 pursuant to a consent order between Westchester County and the New York State Department of Environmental Conservation (NYSDEC). In April 2020, the airport was accepted into the NYS Brownfield Cleanup Program (site C360174). Additional site investigation and remediation activities continue under that program.

GROUNDWATER SAMPLING PROGRAM

The October 2024 sampling event included a total of 40 groundwater monitor wells of which 35 were sampled for PFAS. In addition, samples from selected wells were analyzed for volatile organic compounds (VOCs), 1,4-dioxane and glycols (ethylene and propylene glycol). In October 2021, 15 new monitor wells were added to the sampling program. These wells were installed in 2020 as part of the site investigation and they replaced some of the older wells that were either damaged or were in close proximity and no longer needed.

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During the October 2024 sampling round, three wells could not be located or were found to be damaged and could not be sampled. These include DPWMW-3, FMW-3 and FMW-6. An assessment of the need to replace these wells will be made by the airport as part of the work being completed under the Brownfields program. A fourth well, FMW-39, was dry and could not be sampled.

Table 1 lists the sampled wells, their depths and associated analytes. Of the 40 wells included in this sampling event, 26 are completed in the shallow sand and gravel aquifer and 14 are bedrock wells. Wells in the shallow aquifer range between 6 and 60 feet deep while the bedrock wells are between 25 and 96 feet deep. All wells were sampled with dedicated, disposable, high-density polyethylene (HDPE) (PFAS free) bailers. Prior to sampling, the wells were purged of three standing volumes of water, or until dry, using either a dedicated HDPE bailer or a PFAS-free submersible pump with dedicated HDPE tubing. Between sampling points the submersible pump was decontaminated with a soap and water solution followed by a distilled water rinse.

The samples were collected in laboratory-prepared containers and were kept cold until delivery the following day to York Analytical Laboratories of Stratford, CT (a New York State-certified laboratory). The analytical results are summarized on Tables 2 through 8 and Figures 1 through 3. Copies of the laboratory reports are attached in the Appendix of the electronic version of this report. Category B, ASP deliverables were prepared for each report and are available upon request. Water-level measurements were made in each well prior to sampling. These data were used to calculate groundwater elevations and prepare groundwater contour maps which are presented on Table 9 and Figures 4 and 5. Figure 6 presents graphs of water level elevations in select wells between 2018 – 2024.

LABORATORY RESULTS

Per- and Polyfluoroalkyl Substances (PFAS)

PFAS results are presented on Tables 2 through 4 and Figures 1 and 2. The PFAS samples were analyzed by EPA method 1633 which includes 40 different PFAS. The highest concentrations of total PFAS (the sum of all detected PFAS) were detected in wells MW-63 (39,699 nanograms per liter (ng/L)) and MW-58D (23,317 ng/L) (Table 3). The highest concentrations of PFOS were detected in wells FMW-31 (7,800 ng/L) and MW-64 (7,570 ng/L). PFOS is one of the primary contaminants of concern at sites where legacy, PFOS based AFFF was used. The high percentage of PFOS in these wells, relative to the total PFAS concentration, is consistent with a legacy, PFOS based AFFF source (Tables 2 and 3). MW-64 and FMW-31 are in the northern part of the airport near the former burn pit, which is the primary PFAS source area for the site (Figure 1). Wells in this area have had some of the highest PFAS concentrations since the first site wide sampling event in 2018 (Tables 3 and 4, Figure 1). Use of the burn pit ceased in the late 1990s and in 2000, approximately 2,800 tons of soil were excavated from that area as part of a remedial action to remove petroleum contaminated soil.

In general, PFAS concentrations in groundwater decrease across the site from north to south with the lowest concentrations detected in wells located on the southern half of the property. Exceptions to this include two other isolated PFAS source areas, the current fire training area and Hangar E. Well MW-58D is located at the current fire training area in the southeastern corner of the property (Figure 1). The concentration of total PFAS detected in this well (23,317 ng/L) in comparison to upgradient wells FMW-2R (12 ng/L) and MW-59D (6.0 ng/L) indicates a secondary PFAS source area. Additionally, the predominant PFAS detected in MW-58D (making up 70 percent of the total) are 6:2 FTS (1H,1H,2H,2H-Perfluorooctanesulfonic acid) and two of its degradation products, PFPeA (Perfluoropentanoic acid) and PFHxA (Perfluorohexanoic acid) (see laboratory report 24J1778 in the Appendix). The predominance of these compounds is consistent with a fluorotelomer type AFFF which has a different chemical signature in comparison to the PFOS based AFFF associated with the former burn pit. Fluorotelomer foams eventually replaced legacy PFOS based foams at the airport and, while they are considered less toxic and less persistent in the environment, they still contain PFAS including low levels of PFOS and PFOA. FAA

regulations require regular testing of the airport's firefighting apparatus. In the past this involved releasing foam from the fire trucks so it could be tested to ensure compliance with required specifications. This practice took place at the current fire training area. Changes in equipment and testing methods have eliminated the need to release foam to the environment during testing.

Similar to well MW-58D, results for Hangar E Wells MW-1 and MW-4, at the southern end of the airport, support a separate source area in the immediate vicinity of that Hangar. As shown on Figure 1 and Table 2, total PFAS concentrations in the Hangar E wells have consistently been higher in comparison to surrounding wells in this area (FMW-24, FMW-25, FMW-26 and MW-57). In addition, the chemical signature of PFAS detected in these wells is consistent with a fluorotelomer type AFFF as opposed to the PFOS based AFFF associated with the former Burn Pit. Reportedly, an accidental discharge of foam from a tenant-owned fire suppression system occurred inside Hangar E sometime in 1999 or 2000. Although concentrations in the Hangar E wells are higher in comparison to nearby wells, the trend has been relatively stable over the last five years (Figure 2).

Figure 2 presents graphs of total PFAS concentrations from August 2018 through October 2024 for 19 wells across the airport property. As shown on the graphs, PFAS concentrations generally tend to fluctuate within a consistent range. In some wells concentrations fluctuate up and down in conjunction with seasonal groundwater-level changes which is related to precipitation (FMW-8, FMW-15, FMW-31). PFAS concentrations in bedrock wells (labeled BR) tend to show more stable trends in comparison to wells in the shallow aquifer. This is because groundwater levels in bedrock are not as directly affected by seasonal precipitation variations in comparison to groundwater in the shallow unconsolidated aquifer. As a result, groundwater levels in bedrock tend to be more stable over the course of the year resulting in more consistent PFAS concentrations. Several wells including FMW-15, FMW-23(BR), FMW-31 and Hangar E MW-4, show above average concentration spikes occurring over one or two sample periods. While the cause of the spikes is uncertain, the data show that the long term trends are relatively stable.

Another well on Figure 2, FMW-16, shows an above average increase in total PFAS concentration between April 2023 and April 2024 going from 1,068 ng/L to 2,051 ng/L. This well is located downgradient of the former Burn Pit near the northern property line. The disturbance of soil and groundwater in this area related to construction of the New King Street water line, which began in June 2023, is suspected to be the cause of the higher concentrations. As of March 2024, subsurface construction activities in the vicinity of FMW-16 were completed. As of October 2024, total PFAS concentrations in this well have decreased back to baseline levels at 801 ng/L (Figure 2, Table 4).

In 2020, New York State promulgated Maximum Contaminant Levels (MCLs) of 10 ng/L each for two PFAS, PFOA and PFOS, in public drinking water supplies. In April 2024 the USEPA announced Final MCLs for five individual PFAS in public drinking water supplies including PFOA and PFOS under the National Primary Drinking Water Regulation. The MCL for PFOA and PFOS is 4.0 ng/l and for the other three compounds (PFNA, PFHxS, HFPO-DA) it is 10 ng/l.

Currently, enforceable water-quality standards for PFAS in groundwater or surface water in New York do not exist. However, the NYSDEC has issued guidance for the assessment of PFAS at sites where investigations are required pursuant to a State remedial program. The most recent version is dated April 2023 and it sets ambient groundwater quality guidance values of 6.7 ng/l for PFOA and 2.7 ng/l for PFOS. Sampling results for October 2024 show that 30 out of 35 groundwater samples had PFOA and or PFOS concentrations that exceeded the guidance values.

As stated previously, a site-wide investigation was completed in 2020 and implementation of interim remedial measures are currently in progress in response to the onsite PFAS detections. Additional site investigation and remediation work is continuing under the NYS Brownfield Cleanup Program.

1,4-Dioxane

1,4-Dioxane is an emerging contaminant and there are no known current or historical activities at the airport that would have involved the use of this chemical. However, 1,4-dioxane is used as a stabilizer in the manufacturing of chlorinated solvents and is commonly found at sites with solvent contamination. There are two areas of solvent contamination at the airport associated with historical tenant releases in Hangars D and E. Detections of 1,4-dioxane from August 2018 to October 2024, which are summarized on Table 5 and Figure 3, confirm its presence in groundwater at both locations. Hangar D is located on the eastern side of the airport and Hangar E is located at the southern end. Results for 38 other wells at different locations across the airport show no detections of 1,4-dioxane (Figure 3). Based on these results, continued analysis of 1,4-dioxane is limited to wells in these two areas.

For the October 2024 sampling round, three wells were analyzed for 1,4-dioxane, MW-7S and XDDMW-11 located in and around Hangar D, and MW-1 located in Hangar E. As shown on Table 5, 1,4-dioxane was detected at concentrations ranging from 5.9 ug/L to 572 ug/L (micrograms per liter) for October 2024. In 2020, New York State promulgated an MCL of 1.0 ug/L for public drinking water supplies. In February 2023 a guidance value of 0.35 ug/L was published for groundwater and surface water.

As shown on Figure 3, the presence of 1,4-dioxane at the site is limited to the two noted locations, both with former tenant related solvent releases. Remediation of 1,4-dioxane at these sites will be addressed under the Brownfield Cleanup Program.

Volatile Organic Compounds (VOCs)

VOCs are a class of chemicals that include petroleum constituents and chlorinated solvents, both of which are components of various products used at the airport. These chemicals were analyzed as part of the 2001-2011 groundwater monitoring program resulting in a 10-year record of historical data. Based on this data, samples from 14 wells were analyzed for VOCs as part of the October 2024 sampling round (Table 1). Some of these wells are located in areas known to have histories of VOC detections. Other wells are located in downgradient areas around the airport perimeter and are sampled to monitor groundwater quality leaving the site. Well FMW-39, which has a history of VOC detections, was dry this period and could not be sampled.

VOCs were detected in samples from 11 wells of which 6 contained concentrations above groundwater standards including, FMW-14, FMW-23, Hangar E MW-1, MW-7S, MW-59D and MW-64 (Table 6). Most of the October 2024 VOC detections are consistent with baseline data and can be attributed to historical, previously reported releases associated with former Hangar B (NYSDEC Spill No. 98-11689), Hangar D (NYSDEC Site No. 360037), Hangar E (NYSDEC Spill Nos. 0901011 and 0912936) and the former Air National Guard (ANG) site (NYS Voluntary Cleanup program Site No. V00499). As shown on Table 6, the detected VOCs have included both petroleum and solvent related compounds. The Hangar B, D and E sites have been investigated and undergone remediation. The Hangar B and E spill numbers are closed and the Hangar E remediation system has reportedly been shut down, although groundwater standard exceedances still exist at that location. Residual contamination at Hangar D is being managed under a Site Management Plan. The former ANG site was investigated in 2003 and 2004; no source area was found and no further action was required at that time.

The detection in well FMW-14 is not believed to be associated with the historical release areas noted above. FMW-14 is 15 feet deep and located in the northwestern part of the airport (Figure 1). This well has a history of chlorobenzene detections, above and below water-quality standards, going back to 2002, with no clear trend or apparent source. Low concentrations of other VOCs including benzene have also been inconsistently detected over this time frame. For the October 2024 sampling round, chlorobenzene was the only detection at 7.67 ug/L, which is slightly above the water-quality standard of 5.0 ug/L (Table 6).

As noted previously, the site is currently undergoing investigation and remediation under the NYS Brownfield Cleanup Program. While the primary contaminant of concern at the site is PFAS, any other potential contaminants identified will need to be addressed as well.

Glycols

Ethylene and propylene glycol (glycols) are associated with deicing fluid. Samples from four wells were selected to be analyzed for glycols based on their location near areas where deicing fluid is used or stored (Table 1). Glycols were not detected in any of the sampled wells, which is consistent with historical data (Table 2). Well FMW-39, which is usually sampled for glycols, was dry this period and could not be sampled.

Quality Assurance/Quality Control

As part of the sampling protocol, duplicate samples, field blanks and trip blanks were collected. Duplicate samples were collected at a rate of 1 for every 20 samples per analyte class. Field blanks were collected daily and trip blanks were run when VOC samples were collected. Results for the duplicates and blanks are summarized on Tables 7 and 8 and are included with the laboratory reports in the Appendix.

Table 7 presents the duplicate sample results. Duplicates are a second sample collected from a single location, submitted to the laboratory under a different sample identification number to check laboratory accuracy. While some variability is expected, results for the original and duplicate samples should be similar. Results for the duplicate samples presented on Table 7 show good correlation, with a few minor exceptions that are not considered significant.

Table 8 summarizes results for field and trip blanks. Field blanks are used to monitor the sampling process and are prepared onsite during sampling with laboratory provided deionized water. A field-blank detection indicates there was potential cross-contamination during sampling, transportation or the analytical process. Trip blanks are prepared by the laboratory; they follow the sample bottles from the laboratory to the site and back again to monitor the potential for VOC contamination from sources outside of the sampling process.

One individual PFAS (6:2 FTS) was detected in the October 24 field blank. The detected concentration was 6.63 ng/L and it was flagged with a “J” qualifier indicating the concentration is an estimate as it was detected below the level that can be reported within a specified degree of confidence. As a result, any cross-contamination that may have occurred that day relative to 6:2 FTS would not have significantly influenced the sample results.

Acetone was detected in two of the trip blanks at concentrations between 1.3 and 1.8 ug/L and both of the detections were flagged with a “J” qualifier. Acetone is a common laboratory contaminant and could have been present in the laboratory water used to make the blanks or was introduced to the samples in the laboratory. As a result, any acetone detections in site samples, at similar or lower concentrations, can be ignored.

Bromodichloromethane and chloroform were detected in several field and trip blanks at concentrations ranging between 0.37 and 4.8 ug/L. Both of these compounds are byproducts of the chlorination process used to disinfect municipal water sources. They were most likely present in the water provided by the lab that was used to prepare the blank samples. Neither bromodichloromethane or chloroform were detected in any of the site samples.



TBA (tert-Butyl alcohol) was detected in the October 21 trip blank at 1.2 ug/L however, it was not detected in any of the site samples collected that day. As a result, this detection did not have any influence on site sample results.

GROUNDWATER FLOW

Groundwater elevation data are presented on Table 9 and Figures 4, 5 and 6. Groundwater elevations across the site in the shallow, unconsolidated aquifer ranged from a high of 421.65 ft msl (feet above mean sea level) in the northern part of the site at FMW-8, to a low of 348.95 ft msl in the southeastern corner of the site at MW-58D (figure 4). In the bedrock aquifer, elevations ranged from a high of 421.56 ft msl at FMW-23 (north) to a low of 379.83 ft msl in MW-56D (west) (figure 5). In comparison to October 2023, the levels in these wells are down between 1 and 4 feet reflecting the below average precipitation conditions experienced this year.

The direction of groundwater flow across the site varies as a result of a major drainage basin divide that runs through the property. Approximately three quarters of the site lie within the Blind Brook Drainage Basin; the remainder lies in the Rye Lake sub-basin. Groundwater flow in the Blind Brook Basin is primarily south to southeast. Groundwater flow within the Rye Lake basin flows primarily northwest to southwest towards Rye Lake, which is located approximately 600 feet west of the airport. In the southwest corner of the property, groundwater flow in the shallow aquifer is northward, onto the site, towards a hydraulic low point at FMW-25 (Figures 4 and 5).

The direction of groundwater flow and the observed elevations measured during October 2024 are consistent with historical data, showing little change over time outside of normal seasonal variations. Figure 6 presents water level elevations from 2018 and 2020 through October 2024 for 14 wells across the site. As shown on the figure, water levels are typically highest in the spring and lowest in the fall and tend to fluctuate within an established range creating a sawtooth like pattern across the graph. Between April and October this year there is a greater than average decline in water levels in all 14 wells which is directly related to below average precipitation.

The next semi-annual sampling round will be scheduled in April 2025. If you have any questions, please feel free to contact me directly at (914) 461-2961.

Kind regards,

WSP USA

John Benyegna, PG(NY)
Vice President, Hydrogeologist

JB:cmm

Enclosures

cc: Hugh J. Greechan, Jr., PE
John Inserra
Greta Kowalski

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TABLES

TABLE 1
WESTCHESTER COUNTY AIRPORT
Sample Analyte List - October 2024

Well (BR) = Bedrock	PFAS EPA 1633	Volatile Organics	1,4-Dioxane	Glycols	Well Depth (ft btoc)
DPW-2	X				11.30
DPWMW-3	Not Sampled - Well Damaged				14.00
FMW-2R	X				11.80
FMW-3	Not Sampled - Well Damaged				15.10
FMW-6	Not Sampled - Well Damaged				11.20
FMW-8	X	X			11.00
FMW-14	X	X			15.45
FMW-15	X	X			14.90
FMW-16	X				15.80
FMW-17	WATER LEVEL ONLY				9.48
FMW-23 BR	X	X			42.30
FMW-24	X				8.50
FMW-25	X	X		X	12.80
FMW-26	X				15.80
FMW-31	X	X			19.65
FMW-35 BR	X				57.50
FMW-37				X	13.40
FMW-39	Not Sampled - Well Dry				6.30
FMW-40	X	X			12.70
MW-3	WATER LEVEL ONLY				17.50
MW-7S BR	X	X	X		24.65
MW-16	X				11.10
MW-43 BR	X	X			67.22
MW-44	X				18.10
MW-51 BR	X				52.00
MW-52 BR	X				72.00
MW-53 BR	X	X			96.00
MW-54 S	X				12.85
MW-54 D BR	X				80.00
MW-55 S	X				18.00
MW-55 D BR	X				50.80
MW-56 S	X				12.80
MW-56 D BR	X				83.90
MW-57 BR	X				81.70
MW-58 D	X				60.00
MW-59 S	WATER LEVEL ONLY				15.00
MW-59 D BR	X	X			81.60
MW-60	X				80.00
MW-61	WATER LEVEL ONLY				12.00
MW-63	X				15.00
MW-64	X	X			15.00
XDDMW-10 BR		X			60.00
XDDMW-11 BR	X		X	X	41.30
Hangar E MW-1	X	X	X	X	20.00
Hangar E MW-4	X				20.00

(ft btoc) - Feet Below Top of Casing

TABLE 2
WESTCHESTER COUNTY AIRPORT
Sampling Results Summary - October 2024

Well (BR) = Bedrock	Total PFAS* (ng/L)	PFOS (ng/L)	PFOA (ng/L)	1,4-Dioxane (ug/L)	Glycols (mg/L)	Well Depth (ft btoc)
DPW-2	386	19.8	16.4	**	**	11.30
DPWMW-3	**	**	**	**	**	14.00
FMW-2R	12	2.47	3.43	**	**	11.80
FMW-3	**	**	**	**	**	15.10
FMW-6	**	**	**	**	**	11.20
FMW-8	2,502	1,370	121	**	**	11.00
FMW-14	399	115	30.6	**	**	15.45
FMW-15	721	69.4	46.2	**	**	14.90
FMW-16	801	103	58.1	**	**	15.80
FMW-23 (BR)	1,943	336	71.0	**	**	42.30
FMW-24	99	36.7	13.3	**	**	8.50
FMW-25	29	5.0	8.7	**	ND	12.80
FMW-26	96	44.1	13.0	**	**	15.80
FMW-31	9,825	7,800	87.1	**	**	19.65
FMW-35 (BR)	203	94.9	12.5	**	**	57.50
FMW-37	**	**	**	**	ND	13.40
FMW-39	**	**	**	**	**	6.30
FMW-40	2,296	1,210	59.4	**	**	12.70
MW-7S (BR)	183	60.5	15.2	5.94	**	24.65
MW-16	60	40.7	3.05	**	**	11.10
MW-43 (BR)	508	144	41.9	**	**	67.22
MW-44	502	145	57.8	**	**	18.10
MW-51 (BR)	353	67.1	30.2	**	**	52.00
MW-52 (BR)	191	1.79	5.63	**	**	72.00
MW-53 (BR)	1,254	510	59.7	**	**	96.00
MW-54 S	335	25.3	7.4	**	**	12.85
MW-54 D (BR)	3,276	317.0	73.0	**	**	80.00
MW-55 S	2,263	1230.0	35.4	**	**	18.00
MW-55 D (BR)	1,357	585.0	14.5	**	**	50.80
MW-56 S	1,085	224.0	255.0	**	**	12.80
MW-56 D (BR)	11.0	1.93	1.87	**	**	83.90
MW-57 (BR)	7.6	1.4	2.6	**	**	81.70
MW-58 D	23,317	387	798	**	**	60.00
MW-59 D (BR)	6.0	2.00	1.36	**	**	81.60
MW-60 (BR)	3,787	244	104	**	**	80.00
MW-63	39,699	4,170	17,800	**	**	15.00
MW-64	14,323	7,570	1,280	**	**	15.00
XDDMW-11 (BR)	321	13.9	22.1	2.21	ND	41.30
Hangar E MW-1	6,648	14.2	173	572	ND	20.00
Hangar E MW-4	5,529	104	326	**	**	20.00

(ng/L) - nanograms per liter (equivalent to parts per trillion)

(ug/L) - micrograms per liter (equivalent to parts per billion)

(mg/L) - milligrams per liter (equivalent to parts per million)

(ft btoc) - Feet Below Top of Casing

< denotes less than and indicates the minimum detectable level.

* Includes 40 PFAS - see lab reports in the Appendix for individual PFAS detections.

** - Not Analyzed

ND - Not Detected (see Appendix for detection limits)

TABLE 3
WESTCHESTER COUNTY AIRPORT
PFAS Summary by Total PFAS Concentration

OCTOBER 2023				
Total PFAS (ng/L)	PFOS (ng/L)	PFOA (ng/L)	Well (BR) = Bedrock	Well Depth (ft btoc)
42,012	6,240	2,550	FMW-6	11.20
38,822	1,810	20,400	MW-63	15.00
16,332	291	601	MW-58 D	60.00
13,751	6,500	1,780	MW-64	15.00
8,705	6,820	92	FMW-31	19.65
6,270	11	206	Hangar E MW-1	20.00
4,444	237	119	MW-60 (BR)	80.00
4,143	85	314	Hangar E MW-4	20.00
2,827	273	96	MW-54 D (BR)	80.00
2,803	1,410	198	FMW-8	11.00
2,542	380	102	FMW-23 (BR)	42.30
1,836	781	70	FMW-40	12.70
1,734	676	113	FMW-16	15.80
1,427	447	100	MW-53 (BR)	96.00
1,355	378	33	MW-55 S	18.00
1,245	434	17	MW-55 D (BR)	50.80
1,048	251	190	MW-56 S	12.80
638	176	50	MW-43 (BR)	67.22
576	67	39	FMW-15	14.90
576	150	78	MW-44	18.10
550	13	13	MW-54 S	12.85
406	20	29	XDDMW-11 (BR)	41.30
401	13	15	DPW-2	11.30
346	63	38	FMW-14	15.45
302	113	16.8	MW-7S (BR)	24.65
302	61	33	MW-51 (BR)	52.00
256	123	18	FMW-35 (BR)	57.50
111	89	3.4	MW-16	11.10
60	31	2.4	FMW-3	15.10
59	19	4.5	FMW-39	6.30
41	5.9	9.3	FMW-25	12.80
40	2.9	18	FMW-24	8.50
30	12	6.1	FMW-26	15.80
28	ND	9.2	FMW-2R	11.80
27	5.7	1.3	DPWMW-3	14.00
19	1.7	2.6	MW-52 (BR)	72.00
17	8.2	4.2	MW-59 D (BR)	81.60
10	2.0	1.8	MW-56 D (BR)	83.90
8	1.3	2.3	MW-57 (BR)	81.70

APRIL 2024				
Total PFAS (ng/L)	PFOS (ng/L)	PFOA (ng/L)	Well (BR) = Bedrock	Well Depth (ft btoc)
28,177	778	14,200	MW-63	15.00
27,285	5,290	1,310	FMW-6	11.20
15,417	8,460	1,660	MW-64	15.00
13,500	244	322	MW-58 D	60.00
7,254	5,050	89	FMW-31	19.65
5,987	<8.2	271	Hangar E MW-1	20.00
4,968	92	380	Hangar E MW-4	20.00
4,447	2,510	294	FMW-8	11.00
3,716	225	117	MW-60 (BR)	80.00
2,993	277	93	MW-54 D (BR)	80.00
2,051	1,250	99	FMW-16	15.80
1,902	352	88	FMW-23 (BR)	42.30
1,576	639	54	MW-55 S	18.00
1,433	618	116	MW-53 (BR)	96.00
1,405	689	49	FMW-40	12.70
1,300	462	20	MW-55 D (BR)	50.80
722	115	206	MW-56 S	12.80
505	128	40	MW-43 (BR)	67.22
432	67	28	MW-7S (BR)	24.65
419	95	75	MW-44	18.10
415	122	58	FMW-14	15.45
301	47	31	MW-51 (BR)	52.00
227	27	14	XDDMW-11 (BR)	41.30
226	98	19	FMW-35 (BR)	57.50
224	26	13	FMW-15	14.90
104	5.4	7.5	DPW-2	11.30
84	13	15	FMW-39	6.30
82	56	3.9	MW-16	11.10
74	28	5.9	FMW-3	15.10
38	ND	18	FMW-24	8.50
33	3.6	10	FMW-2R	11.80
31	13	6.7	FMW-26	15.80
29	2.1	11	FMW-25	12.80
15	3.6	ND	DPWMW-3	14.00
12	ND	1.3	MW-59 D (BR)	81.60
11	3.2	0.49	MW-54 S	12.85
9.5	3.2	2.7	MW-57 (BR)	81.70
7.4	ND	1.2	MW-52 (BR)	72.00
5.3	1.1	ND	MW-56 D (BR)	83.90

OCTOBER 2024				
Total PFAS (ng/L)	PFOS (ng/L)	PFOA (ng/L)	Well (BR) = Bedrock	Well Depth (ft btoc)
39,699	4,170	17,800	MW-63	15.00
23,317	387	798	MW-58 D	60.00
14,323	7,570	1,280	MW-64	15.00
9,825	7,800	87.1	FMW-31	19.65
6,648	14	173	Hangar E MW-1	20.00
5,529	104	326	Hangar E MW-4	20.00
3,787	244	104	MW-60 (BR)	80.00
3,276	317	73.0	MW-54 D (BR)	80.00
2,502	1,370	121	FMW-8	11.00
2,296	1,210	59.4	FMW-40	12.70
2,263	1,230	35.4	MW-55 S	18.00
1,943	336	71.0	FMW-23 (BR)	42.30
1,357	585	14.5	MW-55 D (BR)	50.80
1,254	510	59.7	MW-53 (BR)	96.00
1,085	224	255	MW-56 S	12.80
801	103	58.1	FMW-16	15.80
721	69	46.2	FMW-15	14.90
508	144	41.9	MW-43 (BR)	67.22
502	145	57.8	MW-44	18.10
399	115	30.6	FMW-14	15.45
386	20	16.4	DPW-2	11.30
353	67	30.2	MW-51 (BR)	52.00
335	25	7.4	MW-54 S	12.85
321	14	22.1	XDDMW-11 (BR)	41.30
203	95	12.5	FMW-35 (BR)	57.50
191	1.8	5.63	MW-52 (BR)	72.00
183	61	15.2	MW-7S (BR)	24.65
99	37	13.3	FMW-24	8.50
96	44	13.0	FMW-26	15.80
60	41	3.05	MW-16	11.10
29	5.0	8.7	FMW-25	12.80
12	2.5	3.43	FMW-2R	11.80
11	1.9	1.87	MW-56 D (BR)	83.90
7.6	1.4	2.6	MW-57 (BR)	81.70
6.0	2.0	1.36	MW-59 D (BR)	81.60

(ft btoc) feet below top of casing

ND - Not Detected (see lab report for detection limits)

(ng/L) - nanograms per liter (equivalent to parts per trillion)

TABLE 4
WESTCHESTER COUNTY AIRPORT
Total PFAS Summary by Well

Well (BR) = Bedrock	Total PFAS (see notes) all results are in nanograms per liter (ng/L)													Well Depth (ft btoc)
	Aug. 2018	March 2019	Oct. 2019	April May 2020	Oct. 2020	April 2021	Oct. 2021	April 2022	Oct. 2022	April 2023	Oct. 2023	April 2024	Oct. 2024	
DPW-2	275	198	387	74	238	299	239	29	140	387	401	104	386	12.25
DPWMW-3	37	35	6.0	21	2.0	11	34	13	35	120	27	15	**	14.00
FMW-2R	35	23	31	40	3	42	24	24	18	36	28	33	12	12.00
FMW-3	128	223	123	113	78	82	132	23	43	35	60	74	**	14.40
FMW-6	57,390	44,228	37,229	36,094	29,068	46,629	73,450	21,366	105,450	54,301	42,012	27,285	**	11.85
FMW-7	31,983	28,424	34,645	14,993	10,115	13,947	18,603	27,344	**	**	**	**	**	12.00
FMW-8	3,104	5,223	3,998	4,713	2,498	3,368	3,759	3,497	2,976	5,446	2,803	4,447	2,502	12.00
FMW-14	346	492	350	298	198	278	279	314	144	291	346	415	399	15.45
FMW-15	305	103	373	179	497	218	658	130	1,271	484	576	224	721	14.87
FMW-16	899	769	624	843	950	806	1,070	710	938	1,068	1,734	2,051	801	15.77
FMW-17	7,407	4,412	3,753	4,369	2,197	630	2,068	791	1,229	**	**	**	**	12.00
FMW-23 (BR)	1,735	1,843	2,066	1,838	1,680	1,807	1,480	1,671	1,365	2,842	2,542	1,902	1,943	43.00
FMW-24	77	79	75	52	39	47	45	101	42	42	40	38	99	9.00
FMW-25	36	42	29	27	23	18	34	26	26	28	41	29	29	16.00
FMW-26	25	28	94	21	62	11	36	32	80	23	30	31	96	16.20
FMW-31	9,519	10,544	8,063	8,768	9,545	6,988	8,139	6,141	11,029	6,481	8,705	7,254	9,825	21.50
FMW-35 (BR)	178	242	327	312	234	220	265	246	234	224	256	226	203	57.50
FMW-39	38	8	11	4	ND	19	144	ND	31	15	59	84	Dry	6.30
FMW-40	1,337	2,124	2,167	1,864	1,922	1,834	1,474	2,047	1,903	1,256	1,836	1,405	2,296	12.70
MW-3	93	90	77	86	**	**	**	**	**	**	**	**	**	17.50
MW-7S (BR)	294	362	325	221	**	**	280	324	290	254	302	432	183	25.00
MW-16	110	196	101	75	35	**	**	**	**	64	111	82	60	11.10
MW-43 (BR)	569	596	870	787	673	500	587	680	580	536	638	505	508	67.90
MW-44	508	450	544	440	586	**	**	530	509	511	576	419	502	18.10
MW-51	**	**	**	239	**	**	221	579	634	350	302	301	353	52.00
MW-52 (BR)	**	**	**	236	**	**	224	30	17	23	19	7.4	191	72.00
MW-53 (BR)	**	**	**	1,909	**	**	1,125	736	**	1,127	1,427	1,433	1,254	96.00
MW-54 S	**	**	**	18	**	**	125	4	155	103	550	11	335	12.85
MW-54 D (BR)	**	**	**	2,800	**	**	2,737	4,100	3,687	2,829	2,827	2,993	3,276	80.00
MW-55 S	**	**	**	2,123	**	**	2,611	3,824	3,183	2,755	1,355	1,576	2,263	18.00
MW-55 D (BR)	**	**	**	609	**	**	1,150	1,680	1,190	1,235	1,245	1,300	1,357	50.80
MW-56 S	**	**	**	947	**	**	1,076	353	944	764	1,048	722	1,085	12.80
MW-56 D (BR)	**	**	**	11	**	**	6	5	7	9	10	5	11	83.90
MW-57 (BR)	**	**	**	19	**	**	5	6	5	14	8	9.5	7.6	81.70
MW-58 S	**	**	**	Dry	**	**	Dry	Dry	Dry	Dry	Dry	Dry	Dry	21.50
MW-58 D	**	**	**	30,946	**	**	32,369	10,339	31,357	7,009	16,332	13,500	23,317	60.00
MW-59 S	**	**	**	31	**	**	82	60	49	**	**	**	**	14.40
MW-59 D (BR)	**	**	**	58	**	**	37	97	30	24	17	12	6	81.60
MW-60 (BR)	**	**	**	4,168	**	**	3,439	4,575	4,585	4,274	4,444	3,716	3,787	80.00
MW-61	**	**	**	139	**	**	**	148	**	**	**	**	**	12.00
MW-63	**	**	**	65,880	**	**	**	21,368	53,835	33,620	38,822	28,177	39,699	15.00
MW-64	**	**	**	23,791	**	**	**	**	15,977	15,485	13,751	15,417	14,323	15.00
XDDMW-11 (BR)	1,283	544	272	455	410	503	430	458	456	495	406	227	321	40.00
Hangar E MW-1	**	**	6,283	5,010	4,075	4,603	5,374	5,890	6,714	4,572	6,270	5,987	6,648	20.00
Hangar E MW-3	**	**	2,949	1,778	**	**	**	**	**	**	**	**	**	20.00
Hangar E MW-4	**	**		5,985	3,632	4,117	5,074	12,317	8,163	6,566	4,143	4,968	5,529	20.00

Notes:

As of April 2023 PFAS is analyzed using EPA method 1633 which includes 40 compounds. The previous method, EPA 537.1 M included 21 compounds.

FMW-6 was re-sampled on November 3, 2022 to confirm October 2022 results. The resample results were 87,242 ng/l.

(ft btoc) Feet Below Top of Casing.

** PFAS not analyzed or well not sampled.

TABLE 5
WESTCHESTER COUNTY AIRPORT
1,4-Dioxane Summary ^{1/}

Well (BR) = Bedrock Well	1,4-Dioxane (ug/l)													Well Depth (ft btoc)
	Aug. 2018	Mar. 2019	Oct. 2019	Apr. 2020	Oct. 2020	Apr. 2021	Oct. 2021	Apr. 2022	Oct. 2022	Apr. 2023	Oct. 2023	Apr. 2024	Oct. 2024	
FMW-16	**	**	**	0.68	ND	ND	**	**	**	**	**	**	**	15.80
MW-3	**	**	**	0.42	9.3	**	**	**	**	**	**	**	**	17.50
MW-7S (BR)	**	32.0	32.4	30.3	11.4	22.0	55.2	18.0	30.4	16.8	16.6	15.1	5.9	25.00
MW-10D (BR)	**	5.0	6.58	**	**	**	**	**	**	**	**	**	**	55.00
MW-10S (BR)	**	8.4	9.7	9.4	6.9	**	**	**	**	**	**	**	**	37.00
XDDMW-10 (BR)	**	2.5	2.0	**	**	**	**	**	**	**	**	**	**	60.00
XDDMW-11 (BR)	4.5	3.8	2.0	4.4	4.2	5.6*	4.0	5.2	6.7	5.5	5.5	3.7	2.2	40.00
Hangar E MW-1	**	**	1,940	470	2,590	580	1,750	920	2,860	1,700	2,290	1,170	572	20.00
Hangar E MW-2	**	**	263	420	440	889	**	**	**	**	**	**	**	20.00
Hangar E MW-3	**	**	17.2	42.6	**	**	**	**	**	**	**	**	**	20.00
Hangar E MW-4	**	**	28.3	27.7	13.1	32.0	17.4	25.2	17.3	**	**	**	**	20.00

1/ See Figure 3 for identification and location of all tested wells.

(ug/L) - micrograms per liter (equivalent to parts per billion)

(ft btoc) Feet Below Top of Casing

ND - Not Detected (see Appendix for detection limits)

** Not Analyzed

TABLE 6
WESTCHESTER COUNTY AIRPORT
Volatile Organics Results

Page 1 of 3

Sample ID	NYSDEC TOGS	DPW-2				DPWMW-3 (ANG well)				FMW-8				FMW-14				FMW-15				FMW-23			
Compound		April 2023	Oct 2023	April 2024	Oct 2024	April 2023	Oct. 2023	April 2024	Oct 2024	April 2023	Oct. 2023	April 2024	Oct 2024	April 2023	Oct. 2023	April 2024	Oct 2024	April 2023	Oct. 2023	April 2024	Oct 2024	April 2023	Oct. 2023	April 2024	Oct 2024
Volatile Organics, 8260	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	0.25 J	ND	0.35 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50*	ND	ND	ND	NT	0.39 J	ND	1.0	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	~	ND	ND	ND	NT	0.72	0.32 J	1.2	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50*	ND	ND	ND	NT	1.9 J	1.2 J	4.4	NT	ND	ND	ND	ND	1.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	1.9	2.5	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60*	0.25 J	ND	ND	NT	0.42 J	ND	ND	NT	ND	ND	ND	ND	0.23 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	38	19	29	7.67	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	5	ND	ND	ND	NT	ND	ND	ND	NT	0.58	0.46 J	0.73	0.44	ND	ND	ND	ND	ND	ND	ND	ND	7.9	73	98	74.6
Cyclohexane	~	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10*	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	~	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	NT	0.55	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Amyl alcohol (TAA)	~	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	~	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.62
Toluene	5	ND	57	6.5	NT	0.76	ND	ND	NT	ND	ND	ND	ND	0.27 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37 J	0.75	0.67
Trichloroethylene	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.30 J	0.49 J	0.51
Vinyl Chloride	2	ND	ND	ND	NT	ND	ND	ND	NT	0.30 J	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	ND	4.99
Xylenes, Total	5	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NYSDEC TOGS - State groundwater standards and guidance values.

Exceeds Standard or Guidance

ug/L micrograms per liter (parts per billion)

ND - Not Detected (see Appendix for detection limits).

* - indicates a guidance value (not a standard).

~ - indicates no regulatory limit is established.

J - Detected below the Reporting Limit but above the Method Detection Limit

B - analyte found in the analysis batch blank indicating laboratory cross contamination.

TABLE 6
WESTCHESTER COUNTY AIRPORT
Volatile Organics Results

Page 2 of 3

Sample ID	NYSDEC TOGS	FMW-25				FMW-31 (ANG well)				FMW-39					FMW-40 (ANG well)				MW-1 (Hangar E)			
Compound		April 2023	Oct. 2023	April 2024	Oct 2024	April 2023	Oct. 2023	April 2024	Oct 2024	April 2023	Oct. 2023	Dec. 2023	April 2024	Oct 2024	April 2023	Oct. 2023	April 2024	Oct 2024	April 2023	Oct. 2023	April 2024	Oct 2024
Volatile Organics, 8260	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	0.30 J	1.40	5.45
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	11	7.6	8.6
1,1-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41 J	NT	ND	ND	ND	ND	ND	27	19	18
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	0.99	6.7	1.0	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	2.6	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	0.26 J	0.30 J	0.25 J
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	4.4	4.8	3.4
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	3.0	2.6	0.49 J	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	0.50	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50*	ND	ND	ND	ND	1.0 J	6.6	1.5 J	ND	1.3 J	ND	ND	3.4	NT	1.8 J	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	0.61	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60*	ND	ND	ND	ND	ND	ND	ND	ND	0.23 JB	ND	ND	0.20 J	NT	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	23	14	26
cis-1,2-Dichloroethylene	5	ND	ND	ND	ND	0.60	0.74	0.32 J	0.99	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	4.0	3.7	3.0
Cyclohexane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	0.36 J	0.43 J	0.31 J
Ethyl Benzene	5	ND	ND	ND	ND	0.71	1.3	1.2	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	0.37 J	ND
Isopropylbenzene	5	ND	ND	ND	ND	2.1	3.4	3.6	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	0.27 J	0.32 J
Methyl tert-butyl ether	10*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	0.640	0.830	0.670
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	0.38 J	ND	0.39 J	0.39 J	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	1.4	ND
n-Propylbenzene	5	ND	ND	ND	ND	3.2	4.6	5.0	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	0.32 J	ND
o-Xylene	5	ND	ND	ND	ND	0.23 J	0.38 J	ND	ND	0.26 J	ND	ND	ND	NT	ND	ND	ND	ND	ND	0.38 J	0.87	0.38 J
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42 J	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	0.53	0.62	0.98	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	0.37 J	0.48 J	0.37 J
tert-Amyl alcohol (TAA)	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	291
tert-Butyl alcohol (TBA)	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	9.5	10	ND
tert-Butylbenzene	5	ND	ND	ND	ND	0.67	0.95	1.1	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	0.27 J	0.38 J	0.30 J
Tetrachloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	0.44 J	790	1.1	590	NT	ND	ND	ND	ND	ND	ND	0.25 J	ND
trans-1,2-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	0.42 J	0.46 J	0.48 J
Vinyl Chloride	2	ND	ND	ND	ND	0.32 J	0.52	041 J	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	76	64	77
Xylenes, Total	5	ND	ND	ND	ND	ND	0.75 J	ND	ND	0.82 J	ND	ND	ND	NT	ND	ND	ND	ND	ND	0.63 J	2.0	0.63 J

NYSDEC TOGS - State groundwater standards and guidance values.

Exceeds Standard or Guidance

ug/L micrograms per liter (parts per billion)

ND - Not Detected (see Appendix for detection limits).

* - indicates a guidance value (not a standard).

~ - indicates no regulatory limit is established.

J - Detected below the Reporting Limit but above the Method Detection Limit

B - analyte found in the analysis batch blank indicating laboratory cross contamination.

Page 3 of 3

NYSDEC TOGS - State groundwater standards and guidance values.

Exceeds Standard or Guidance
ug/L micrograms per liter (parts per billion)
ND - Not Detected (see Appendix for detection limits).
* - indicates a guidance value (not a standard).
~ - indicates no regulatory limit is established.
J - Detected below the Reporting Limit but above the Method Detection Limit
B - analyte found in the analysis batch blank indicating laboratory cross contamination.

TABLE 7
WESTCHESTER COUNTY AIRPORT
Field Duplicate Results

Date	10/21/24		10/24/24	
Sample ID	FMW-63	Field Duplicate	Hangar E MW-1	Field Duplicate
PFAS Method 1633	ng/L	ng/L	ng/L	ng/L
11CL-PF3OUdS	ND	ND	ND	ND
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	ND	ND	ND
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	ND	<17.9	24.7
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	525	551	347	459
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	ND	ND	ND
3-Perfluoropentyl propanoic acid (FPePA)	ND	ND	ND	ND
3-Perfluoropropyl propanoic acid (FPrPA)	ND	ND	ND	ND
9CL-PF3ONS	ND	ND	ND	ND
ADONA	ND	ND	ND	ND
HFPO-DA (Gen-X)	ND	ND	ND	ND
N-EtFOSA	ND	ND	ND	ND
N-EtFOSAA	ND	ND	ND	ND
N-EtFOSE	ND	ND	ND	ND
N-MeFOSA	ND	ND	ND	ND
N-MeFOSAA	ND	ND	ND	ND
N-MeFOSE	ND	ND	ND	ND
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	ND	ND	ND
Perfluoro-1-decanesulfonic acid (PFDS)	ND	ND	ND	ND
Perfluoro-1-heptanesulfonic acid (PFHpS)	500	507	ND	ND
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	ND	ND	ND
Perfluoro-1-octanesulfonamide (FOSA)	ND	ND	ND	ND
Perfluoro-1-pentanesulfonate (PFPeS)	789	779	ND	ND
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	ND	ND	ND
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	ND	ND	ND
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	ND	ND	ND
Perfluorobutanesulfonic acid (PFBS)	318	297	ND	ND
Perfluorodecanoic acid (PFDA)	ND	ND	ND	ND
Perfluorododecanesulfonic acid (PFDoS)	ND	ND	ND	ND
Perfluorododecanoic acid (PFDoA)	ND	ND	ND	ND
Perfluoroheptanoic acid (PFHpA)	594	537	616	619
Perfluorohexanesulfonic acid (PFHxS)	12,700	12,600	ND	ND
Perfluorohexanoic acid (PFHxA)	1,550	1,490	1,060	1,270
Perfluoro-n-butanoic acid (PFBA)	178	201	519	552
Perfluorononanoic acid (PFNA)	62	49	19.2	17.3
Perfluorooctanesulfonic acid (PFOS)	4,170	4,130	14.2	16.8
Perfluorooctanoic acid (PFOA)	17,800	17,700	173	163
Perfluoropentanoic acid (PFPeA)	513	525	3,900	4,160
Perfluorotetradecanoic acid (PFTA)	ND	ND	ND	ND
Perfluorotridecanoic acid (PFTrDA)	ND	ND	ND	ND
Perfluoroundecanoic acid (PFUnA)	ND	ND	ND	ND
Total PFAS	39,699	39,366	6,648	7,282

Date	10/24/24	
Sample ID	Hangar E MW-1	Field Duplicate
Volatile Organics, 8260	ug/L	ug/L
1,1,1-Trichloroethane	5.45	5.63
1,1-Dichloroethane	5.93	6.24
1,1-Dichloroethylene	10.1	10.6
1,2-Dichlorobenzene	ND	ND
1,2-Dichloroethane	3.15	3.21
Acetone	ND	ND
Benzene	ND	ND
Carbon disulfide	ND	ND
Chloroethane	12.1	13.5
Chloroform	ND	ND
cis-1,2-Dichloroethylene	2.14	2.18
Cyclohexane	ND	ND
Isopropylbenzene	ND	ND
Methylcyclohexane	0.690	0.750
sec-Butylbenzene	ND	ND
tert-Amyl alcohol (TAA)	291	335
tert-Butyl alcohol (TBA)	8.50	8.43
tert-Butylbenzene	ND	ND
Toluene	ND	ND
trans-1,2-Dichloroethylene	ND	ND
Trichloroethylene	ND	ND
Vinyl Chloride	91.2	173
Xylenes, Total	ND	ND
Semi-Volatiles 8270 SIM	ug/l	ug/l
1,4-Dioxane	572	78.7

ng/L = nanograms per liter or parts per trillion.

ug/L = micrograms per liter or parts per billion.

ND - not detected (see Appendix for detection limits).

< denotes less than and indicates the minimum detectable level.

J - analyte detected at or above the method detection limit

but below the reporting limit - data is estimated.

TABLE 8
WESTCHESTER COUNTY AIRPORT
Field & Trip Blank Results

Date	Units	10/21/24		10/22/24		10/23/24		10/24/24		10/25/24	
Sample ID		Field	Trip	Field	Trip	Field	Trip	Field	Trip	Field	Trip
Total PFAS (all compounds)	ng/L	ND	NA	ND	NA	6.63 J	NA	ND	NA	ND	NA
Acetone	ug/L	ND	1.8 J	ND	1.3 J	ND	ND	ND	ND	NT	ND
Bromodichloromethane	ug/L	ND	0.38 J	0.38 J	0.37 J	ND	ND	ND	ND	NT	3.2 J
Carbon disulfide	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
Chloroform	ug/L	1.05	4.8	3.40	3.51	2.12	2.16	3.39	1.91	NT	37.8
Methylene chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
1,2,4-Trimethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
tert-Butyl alcohol (TBA)	ug/L	ND	1.2	ND	ND	ND	ND	ND	ND	NT	ND
1,4-Dioxane	ug/L	----	NA	ND	NA	----	NA	ND	NA	---	NA
Glycols	mg/L	ND	NA	ND	NA	----	NA	ND	NA	----	NA

(ng/L) - nanograms per liter (equivalent to parts per trillion)

(ug/L) - micrograms per liter (equivalent to parts per billion)

(mg/L) - milligrams per liter (equivalent to parts per million)

B - analyte found in the analysis batch blank indicating laboratory cross contamination.

J - analyte detected at or above the method detection limit but below the reporting limit - data is estimated.

NA - not applicable, trip blanks are only analyzed for volatile organics.

ND - not detected (see Appendix for detection limits)

NT - not tested.

----- analyte not tested on this day, blank analyses not required.

TABLE 9
WESTCHESTER COUNTY AIRPORT
Groundwater Level Measurements - October 2024

Well (BR) = Bedrock Well	Date	Top of Casing Elevation (ft msl)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)	Well Depth (ft btoc)
DPW-2	10/21	NA	4.00	NA	12.25
DPWMW-3	10/22	435.02	Dry	<421.02	14.00
FMW-2R	10/24	398.60	6.53	392.07	12.00
FMW-3	10/21	428.42	NM	---	14.40
FMW-6	10/23	424.75	NM	---	11.85
FMW-8	10/21	423.40	1.75	421.65	12.00
FMW-14	10/23	404.69	7.12	397.57	15.45
FMW-15	10/23	415.29	10.74	404.55	14.87
FMW-16	10/23	416.20	6.81	409.39	15.77
FMW-17	10/22	422.37	2.38	419.99	12.00
FMW-23 (BR)	10/23	423.72	2.16	421.56	43.00
FMW-24	10/24	394.21	6.28	387.93	9.00
FMW-25	10/21	375.35	6.51	368.84	16.00
FMW-26	10/21	404.79	7.81	396.98	16.20
FMW-31	10/24	428.37	11.95	416.42	21.50
FMW-35 (BR)	10/24	440.53	21.15	419.38	57.50
FMW-37	10/22	425.71	8.10	417.61	13.40
FMW-39	10/25	388.77	6.28	382.49	6.30
FMW-40	10/24	428.93	9.66	419.27	12.70
MW-3	10/24	409.54	10.87	398.67	17.50
MW-7S (BR)	10/24	409.16	8.98	400.18	25.00
MW-16	10/24	NA	5.75	NA	11.10
MW-43 (BR)	10/21	417.08	6.56	410.52	67.90
MW-44	10/21	417.66	7.86	409.80	18.00
MW-51 (BR)	10/22	421.83	8.28	413.55	52.00
MW-52 (BR)	10/23	414.60	15.50	399.10	72.00
MW-53 (BR)	10/23	423.48	7.58	415.90	96.00
MW-54 S	10/25	419.66	10.58	409.08	12.85
MW-54 D (BR)	10/25	425.14	16.04	409.10	80.00
MW-55 S	10/25	407.75	10.67	397.08	18.00
MW-55 D (BR)	10/25	411.68	17.07	394.61	50.80
MW-56 S	10/25	406.02	10.03	395.99	12.80
MW-56 D (BR)	10/25	387.55	7.72	379.83	83.90
MW-57 (BR)	10/21	401.44	7.75	393.69	81.70
MW-58 S	10/25	386.98	Dry	<365.48	21.50
MW-58 D	10/25	386.53	37.58	348.95	60.00
MW-59 S	10/25	387.12	6.58	380.54	15.00
MW-59 D (BR)	10/25	387.84	5.12	382.72	81.60
MW-60 (BR)	10/22	415.67	12.58	403.09	80.00
MW-61	10/23	426.27	4.47	421.80	11.33
MW-63	10/21	420.80	2.59	418.21	15.00
MW-64	10/22	418.77	3.00	415.77	15.00
XDDMW-10 (BR)	10/22	409.69	19.72	389.97	60.00
XDDMW-11 (BR)	10/22	409.19	18.90	390.29	40.00
Hangar E MW-1	10/24	396.36	11.21	385.15	15.92
Hangar E MW-4	10/24	396.53	11.11	385.42	15.80

(ft msl) - feet above mean sea level

(ft btoc) - feet below top of casing

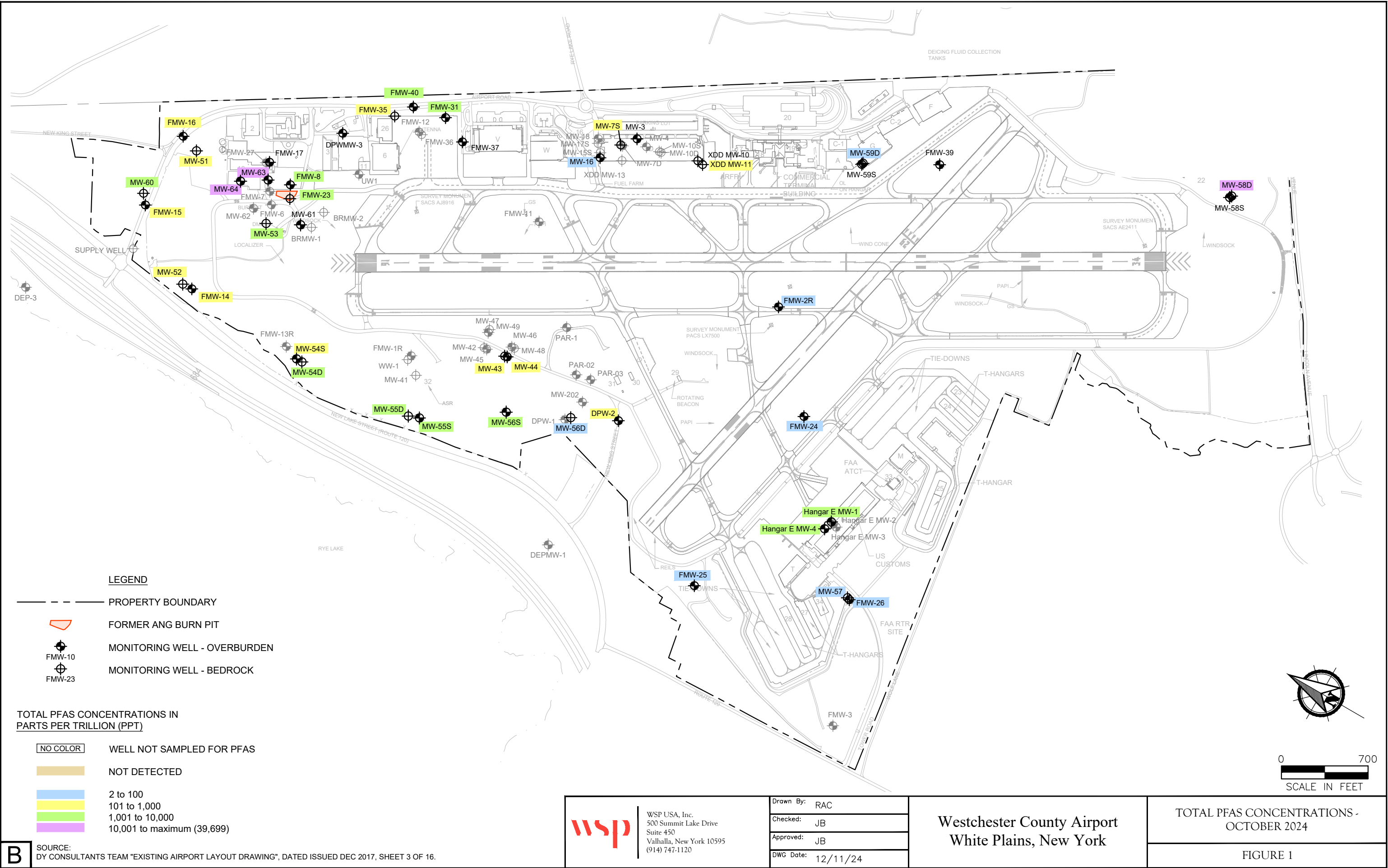
NA - Not Available

NM - Not Measured



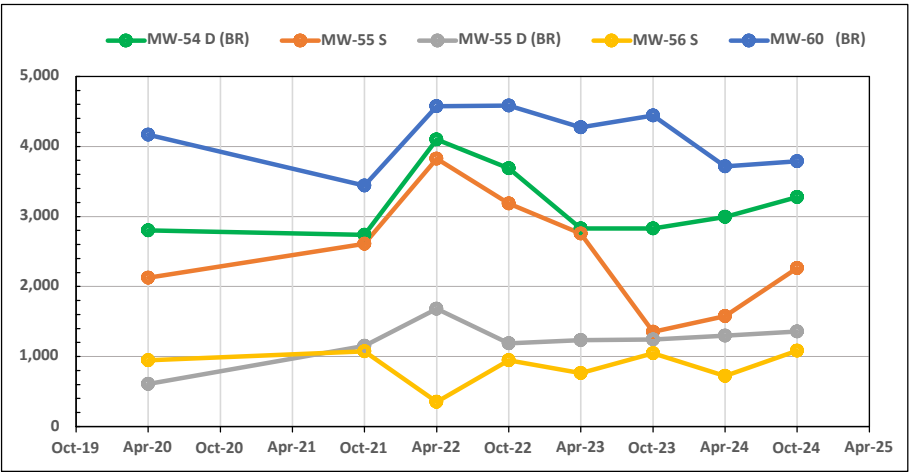
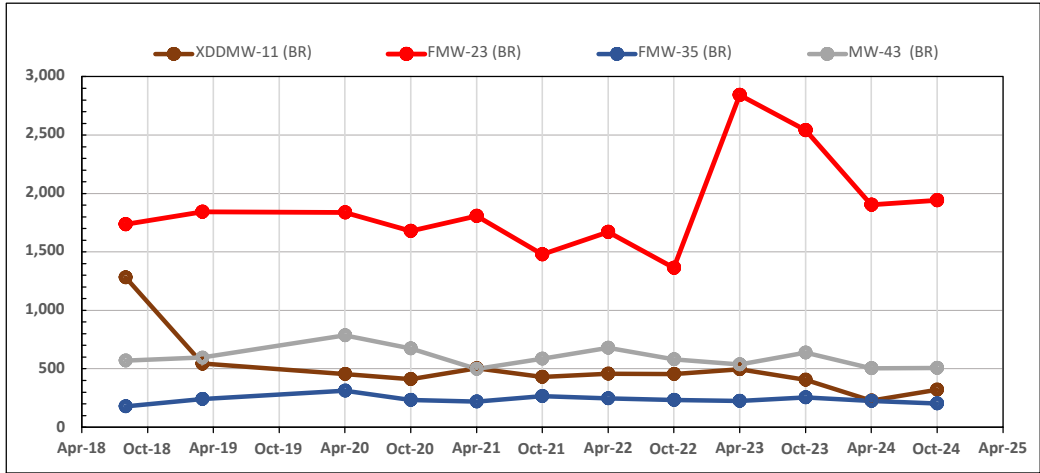
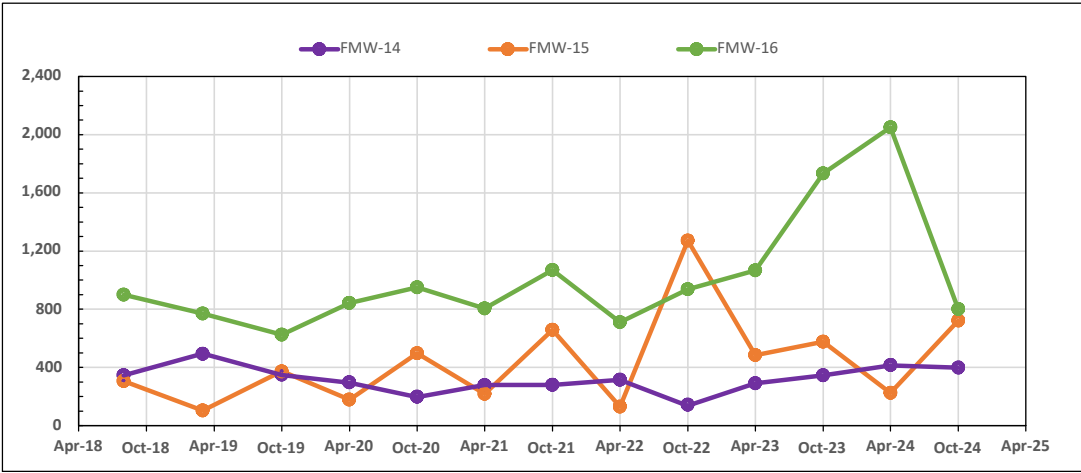
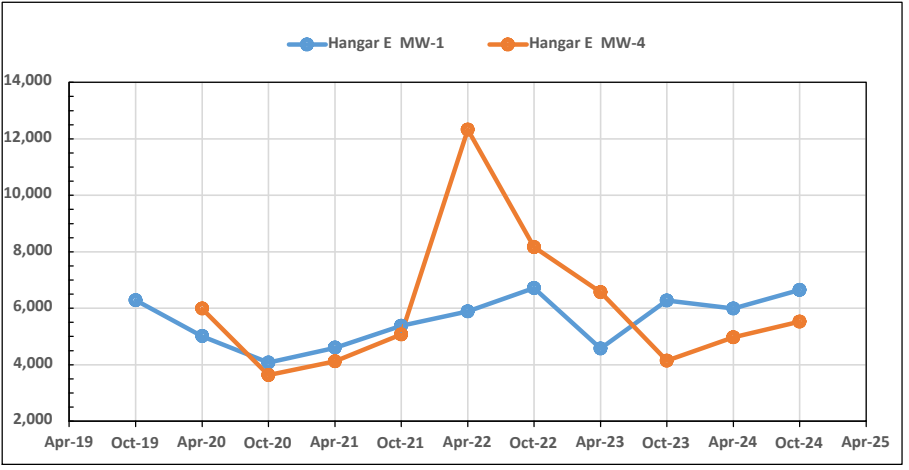
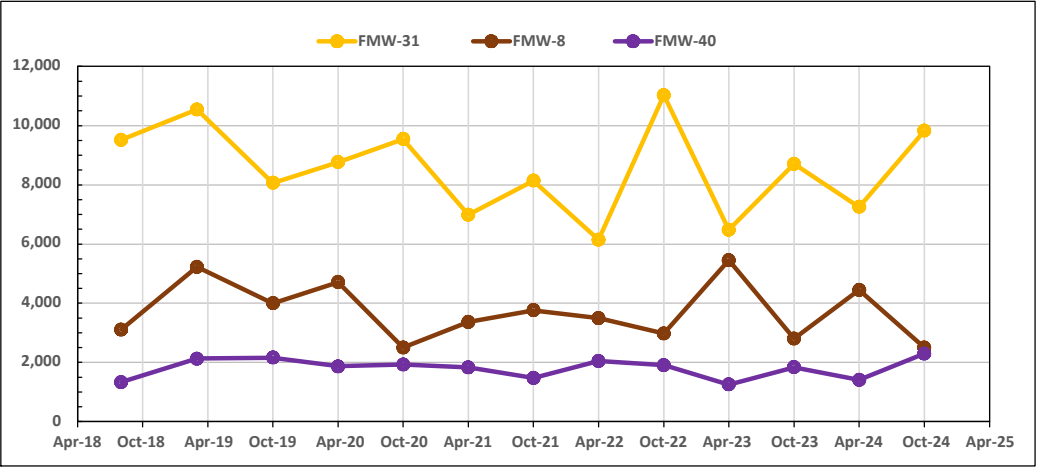
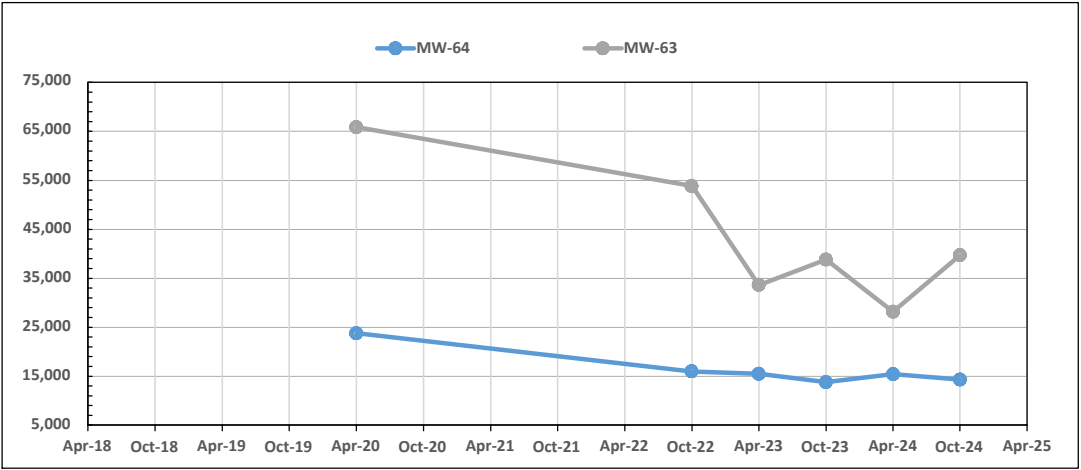
FIGURES

O:\DWG\Westchester County Airport\2024\F1 TotalPFAS-2410.dwg, Layout1, 12/12/2024 10:02:02 AM



O:\DWG\Westchester County Airport\2024\F2 TotalPFAS-Graphs2410.dwg, Layout1, 12/16/2024 6:11:56 AM

B



LEGEND:
X-AXIS UNITS ARE MONTH AND YEAR
Y-AXIS UNITS ARE NANO-GRAMS PER LITER

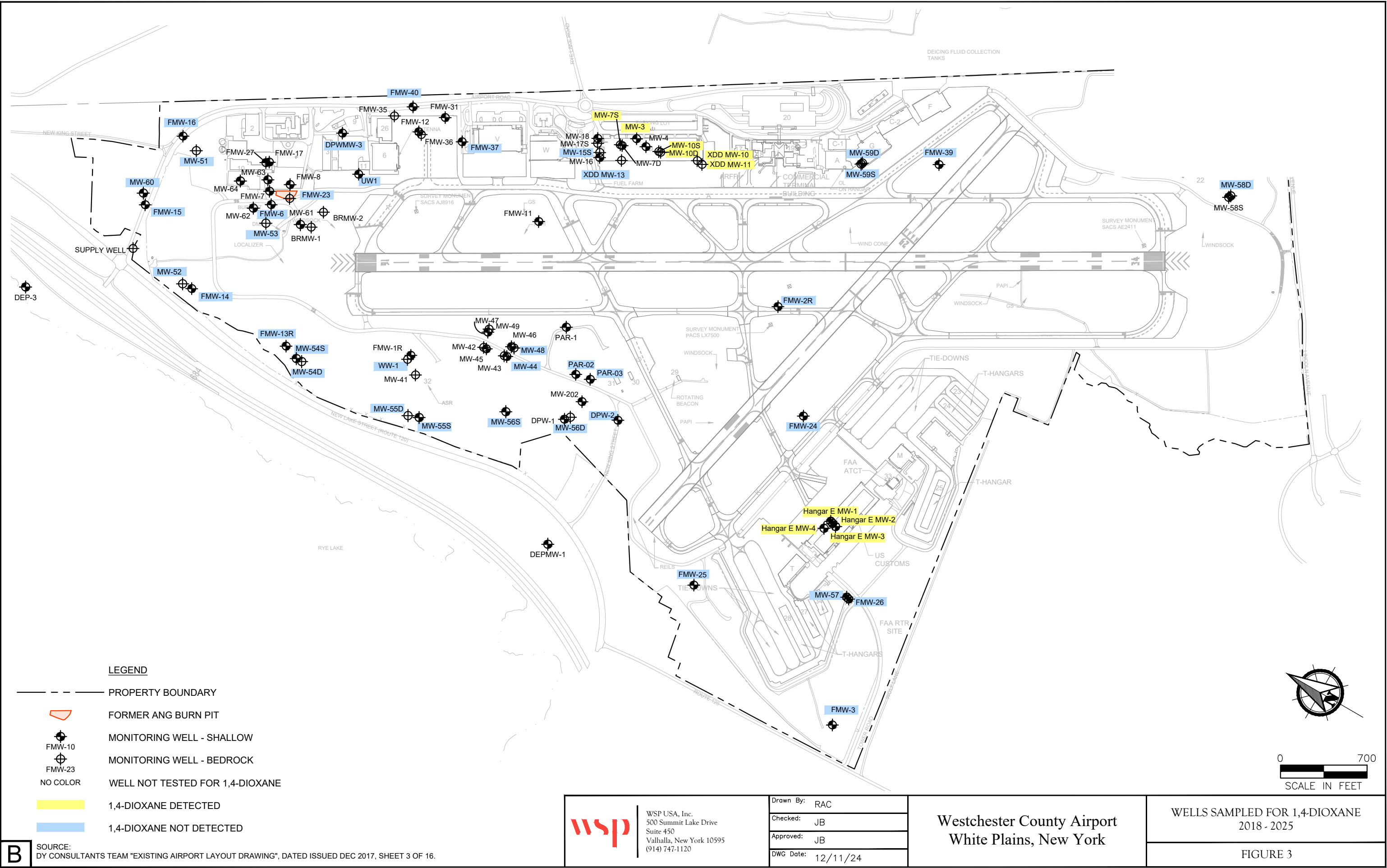
wsp
WSP USA, Inc.
500 Summit Lake Drive
Suite 450
Valhalla, New York 10595
(914) 747-1120

Drawn By: RAC
Checked: JB
Approved: JB
DWG Date: 12/12/24

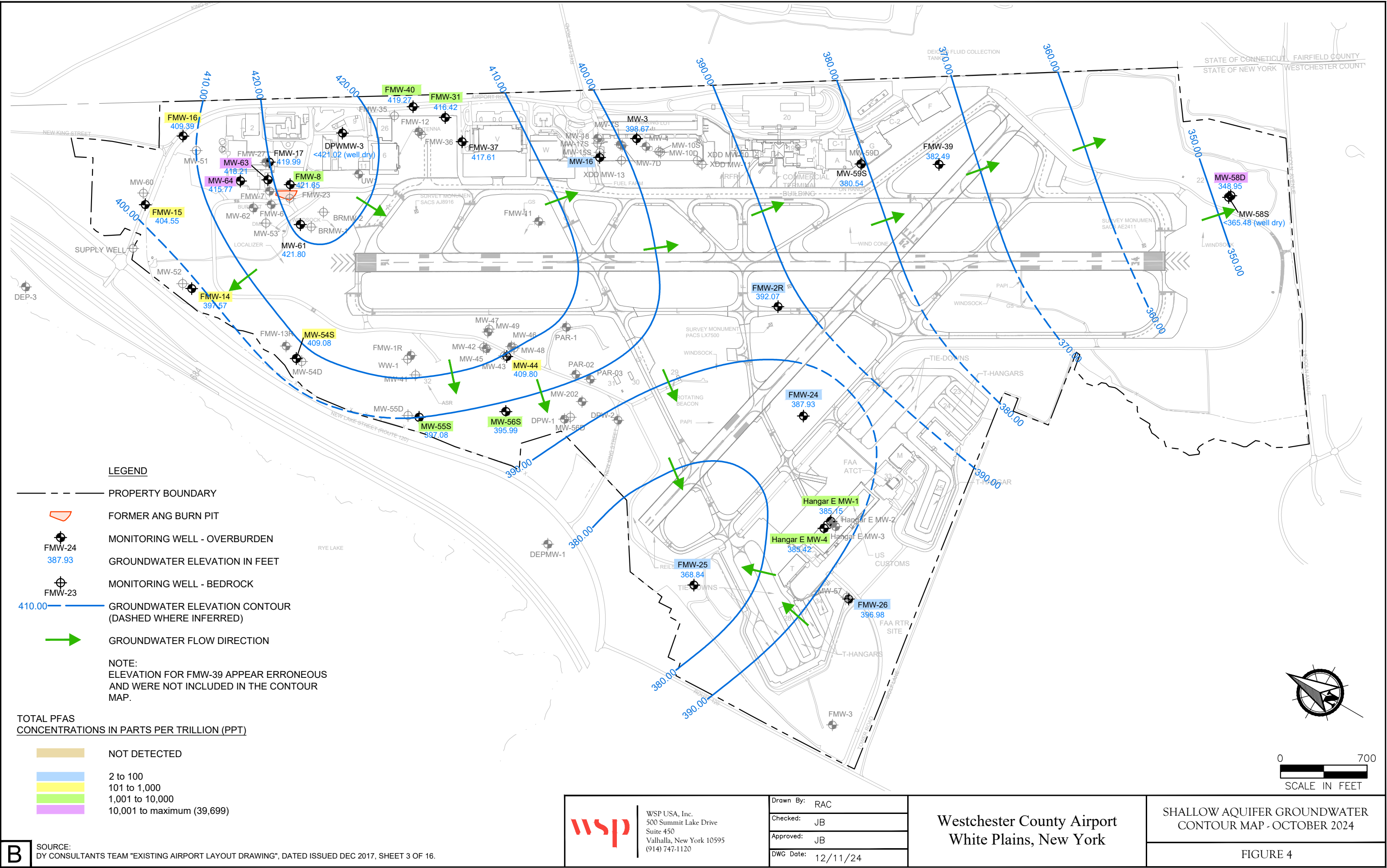
Westchester County Airport
White Plains, New York

TOTAL PFAS CONCENTRATIONS
OVER TIME
FIGURE 2

O:\DWG\Westchester County Airport\2024\F3 1,4-Dioxane-2410.dwg, Layout1, 12/12/2024 10:02:17 AM



O:\DWG\Westchester County Airport\2024\F4 - ShallowGW2410.dwg, Layout1, 12/12/2024 10:02:35 AM



B SOURCE: DY CONSULTANTS TEAM "EXISTING AIRPORT LAYOUT DRAWING", DATED ISSUED DEC 2017, SHEET 3 OF 16.



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Valhalla, New York 10595
(914) 747-1120

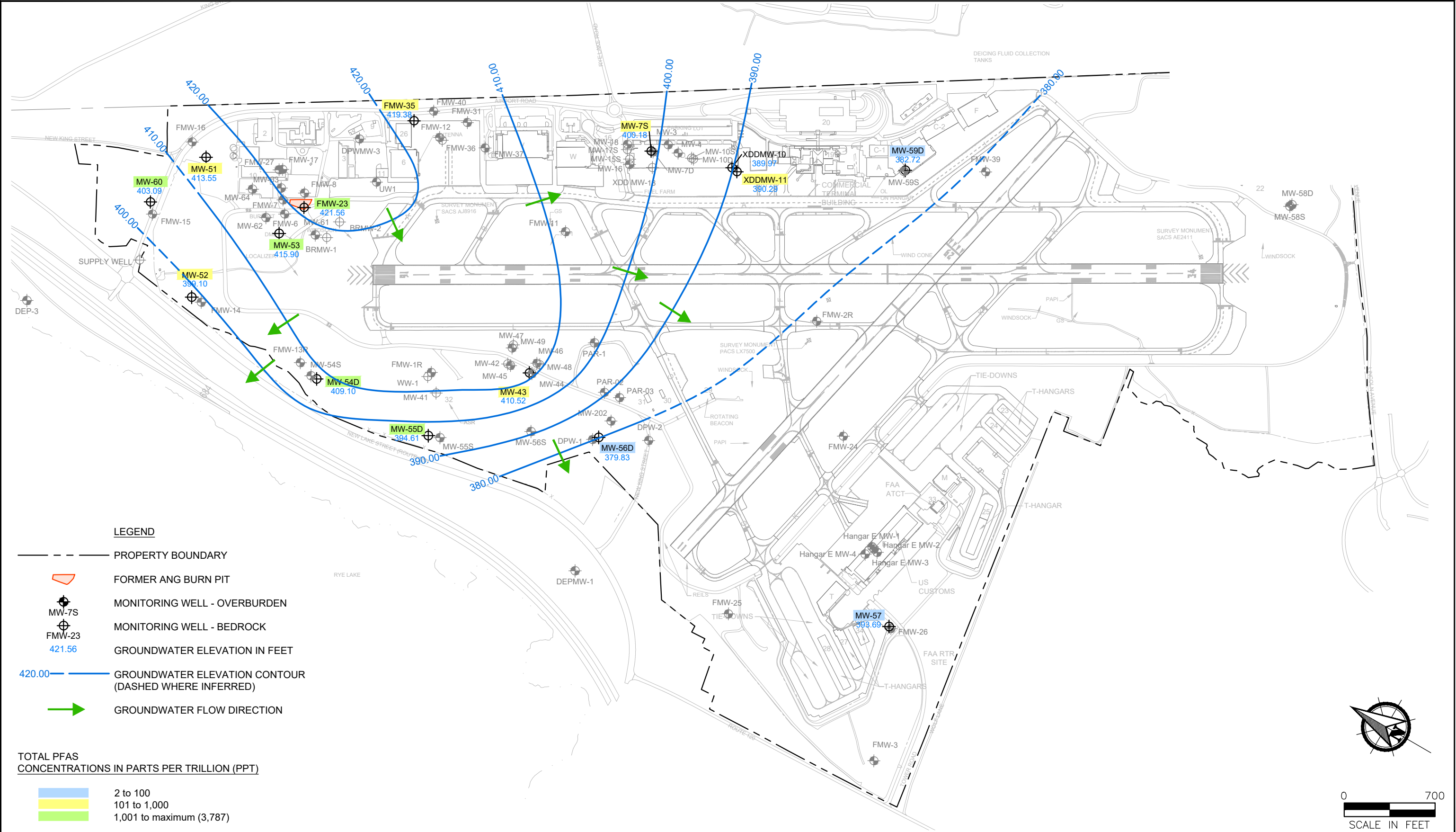
Drawn By: RAC
Checked: JB
Approved: JB
DWG Date: 12/11/24

Westchester County Airport
White Plains, New York

SHALLOW AQUIFER GROUNDWATER
CONTOUR MAP - OCTOBER 2024

FIGURE 4

O:\DWG\Westchester County Airport\2024\F5_BedrockGW2410.dwg, Layout1, 12/12/2024 10:02:47 AM



B SOURCE:
DY CONSULTANTS TEAM "EXISTING AIRPORT LAYOUT DRAWING", DATED ISSUED DEC 2017, SHEET 3 OF 16.



WSP USA, Inc.
500 Summit Lake Drive
Suite 450
Valhalla, New York 10595
(914) 747-1120

Drawn By: RAC
Checked: JB
Approved: JB
DWG Date: 12/11/24

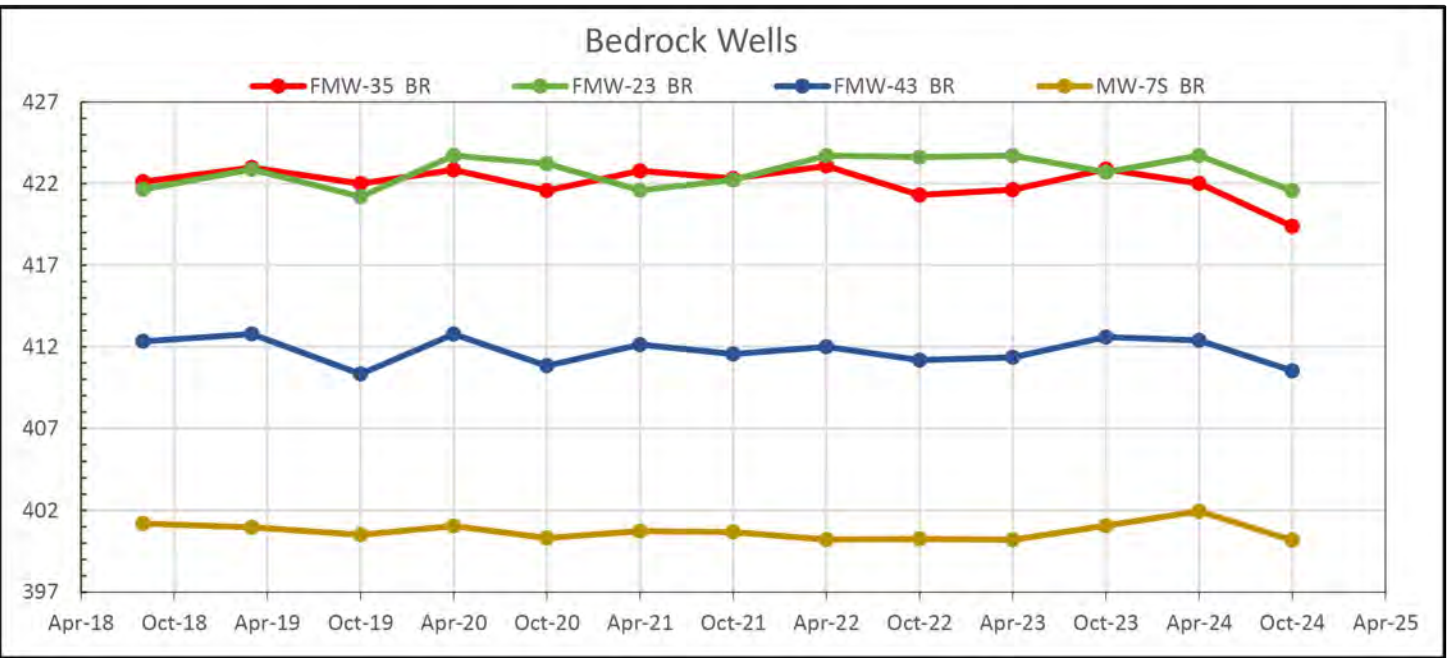
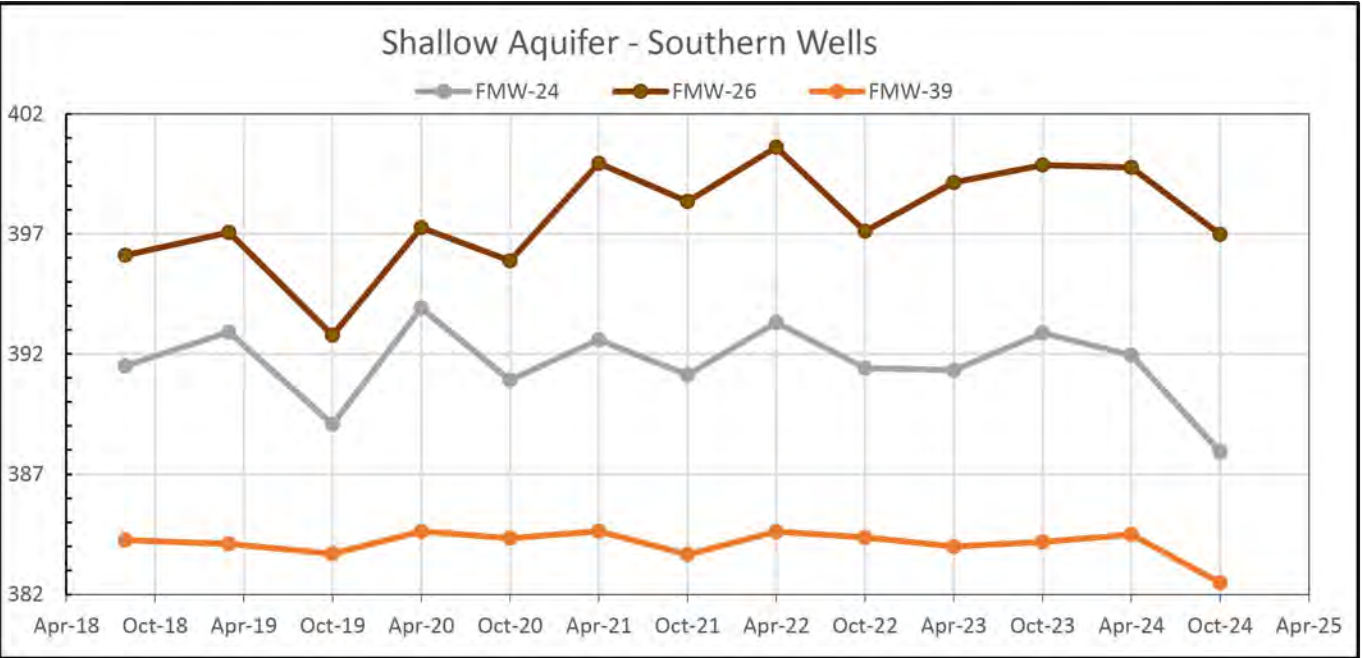
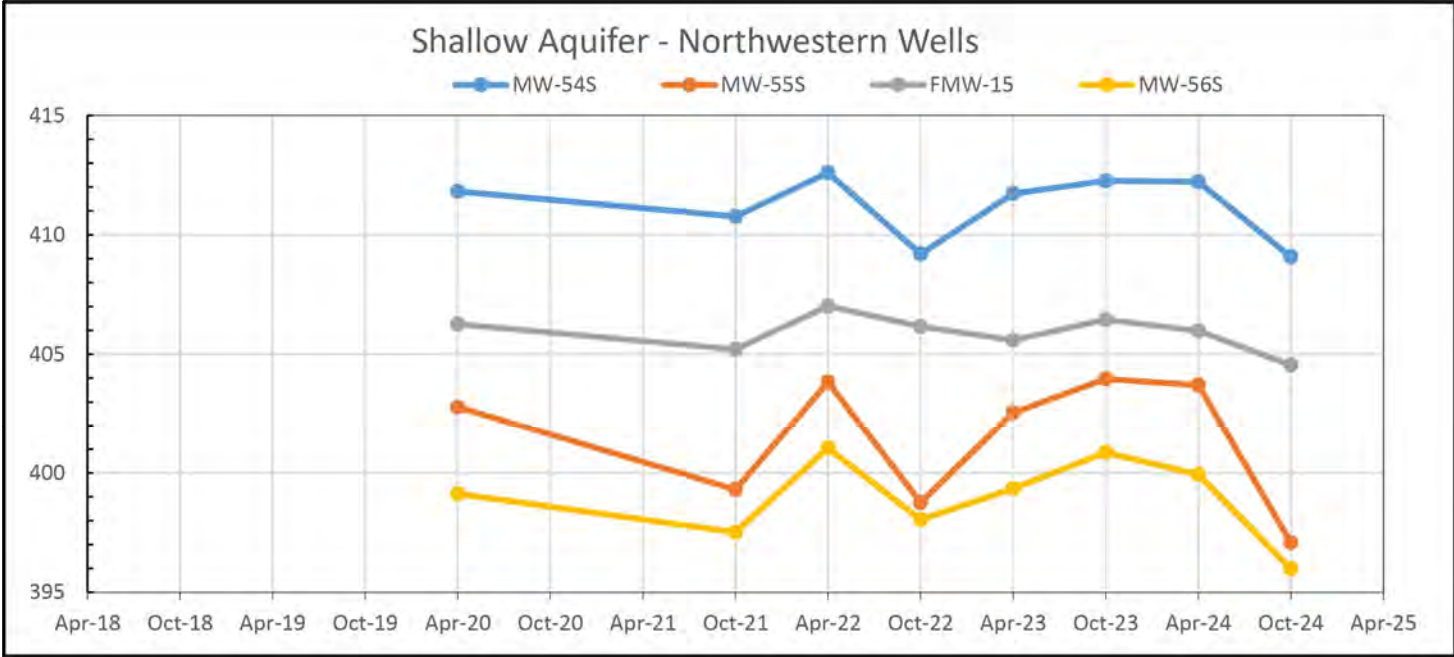
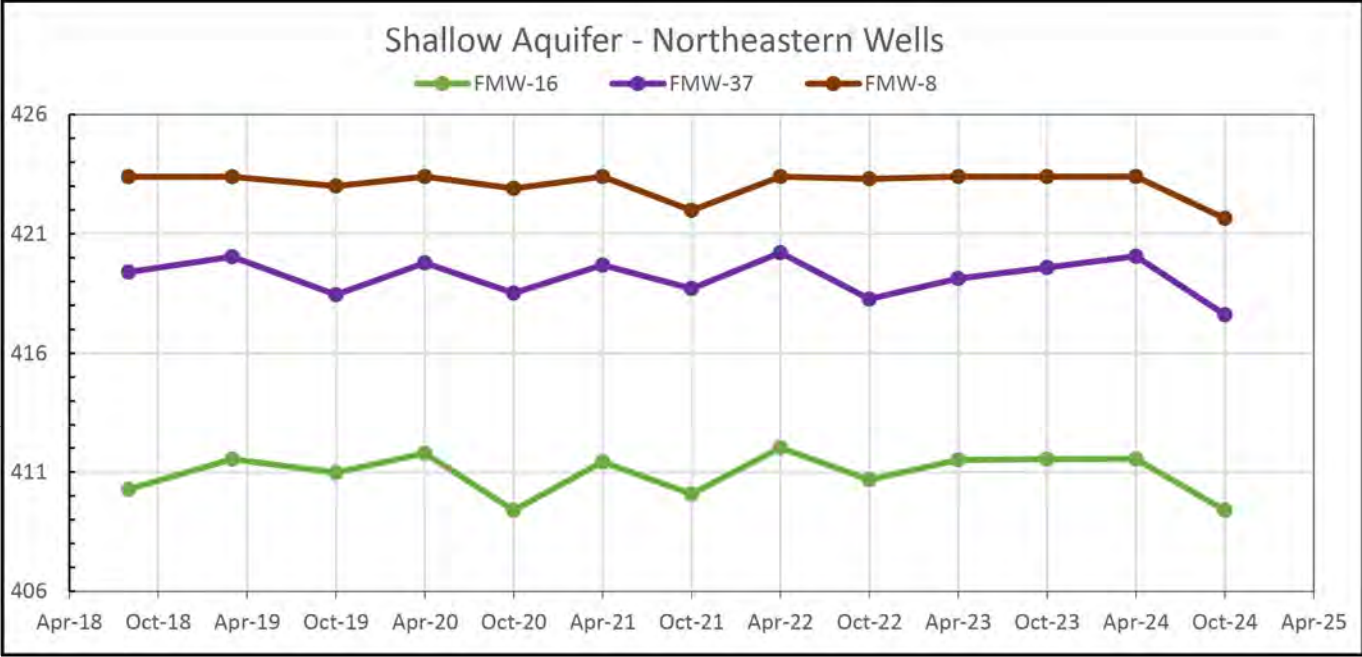
Westchester County Airport
White Plains, New York

BEDROCK AQUIFER GROUNDWATER
CONTOUR MAP - OCTOBER 2024

FIGURE 5

O:\DWG\Westchester County Airport\2024\F6_HistoricWL_Graphs2410.dwg, Layout1, 12/12/2024 10:02:59 AM

B



LEGEND:
X-AXIS UNITS ARE ELEVATIONS IN FEET
ABOVE MEAN SEA LEVEL
Y-AXIS UNITS ARE MONTH AND YEAR



WSP USA, Inc.
500 Summit Lake Drive
Suite 450
Valhalla, New York 10595
(914) 747-1120

Drawn By: RAC	Westchester County Airport White Plains, New York	HISTORICAL WATER LEVEL ELEVATIONS
Checked: JB		
Approved: JB		
DWG Date: 12/11/24		

FIGURE 6



APPENDIX



Technical Report

prepared for:

WSP USA, Inc. (White Plains, NY)

500 Summit Lake Drive, Suite 450

Valhalla NY, 10595

Attention: John Benvegna

Report Date: 10/30/2024

Client Project ID: Westchester County Airport

York Project (SDG) No.: 24J1420

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 10/30/2024
Client Project ID: Westchester County Airport
York Project (SDG) No.: 24J1420

WSP USA, Inc. (White Plains, NY)
500 Summit Lake Drive, Suite 450
Valhalla NY, 10595
Attention: John Benvegna

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 22, 2024 and listed below. The project was identified as your project: **Westchester County Airport**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24J1420-01	DPW-2	Ground Water	10/21/2024	10/22/2024
24J1420-02	FMW-25	Ground Water	10/21/2024	10/22/2024
24J1420-03	MW-57	Ground Water	10/21/2024	10/22/2024
24J1420-04	FMW-26	Ground Water	10/21/2024	10/22/2024
24J1420-05	MW-43	Ground Water	10/21/2024	10/22/2024
24J1420-06	MW-44	Ground Water	10/21/2024	10/22/2024
24J1420-07	MW-8	Ground Water	10/21/2024	10/22/2024
24J1420-08	MW-63	Ground Water	10/21/2024	10/22/2024
24J1420-09	Field Duplicate	Ground Water	10/21/2024	10/22/2024
24J1420-10	Field Blank	Ground Water	10/21/2024	10/22/2024
24J1420-11	Trip Blank	Water	10/21/2024	10/22/2024

General Notes for York Project (SDG) No.: 24J1420

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 10/30/2024





Sample Information

Client Sample ID: DPW-2

York Sample ID: 24J1420-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24J1420

Westchester County Airport

Ground Water

October 21, 2024 10:30 am

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	3.09		ng/L	0.467	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	54.0		ng/L	0.348	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	48.3	PF-CCV -H	ng/L	0.706	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	29.3		ng/L	0.676	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
335-67-1	Perfluorooctanoic acid (PFOA)	16.4		ng/L	0.417	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	19.8		ng/L	0.815	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
375-95-1	Perfluorononanoic acid (PFNA)	33.1		ng/L	0.517	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
335-76-2	Perfluorodecanoic acid (PFDA)	0.991	J	ng/L	0.746	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.12	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.875	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	0.834	J	ng/L	0.736	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.686	1.99	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.785	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.02	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	123		ng/L	0.229	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.875	1.99	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.905	1.90	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.31	1.92	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfon ic acid (6:2 FTS)	15.1		ng/L	1.05	7.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.04	7.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	38.3		ng/L	0.328	7.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM



Sample Information

Client Sample ID: DPW-2

York Sample ID: 24J1420-01

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 10:30 am

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.497	3.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 10:39	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.13	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 10:39	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.249	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 10:39	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.368	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 10:39	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	3.37		ng/L	0.755	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.78	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.21	7.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.37	7.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.696	7.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
919005-14-4	ADONA	ND		ng/L	0.527	7.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.924	1.93	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:39	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.855	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:39	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.02	4.97	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:39	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.29	24.9	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:39	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.41	24.9	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:39	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.97	19.9	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:39	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.57	1.99	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:39	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.97	19.9	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:39	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.79	1.99	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:39	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	77.1 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	89.0 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	78.5 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	87.2 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	108 %	25-150								
13C6PFDA	Surrogate: M6PFDA	85.6 %	25-150								



Sample Information

Client Sample ID: DPW-2

York Sample ID: 24J1420-01

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 10:30 am

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C7PFUNA	Surrogate: M7PFUdA	56.5 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	37.8 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	14.5 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	93.4 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	94.7 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	99.8 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	84.1 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	66.8 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	70.9 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	142 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	102 %			25-200						
13C9PFNA	Surrogate: M9PFNA	92.0 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	154 %	PFSu-H		25-150						
d-N-MeFOSA	Surrogate: d-N-MeFOSA	30.1 %			25-150						
d-N-EtFOSA	Surrogate: d-N-EtFOSA	19.4 %	PFSu-L		25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	82.4 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	23.9 %	PFSu-L		25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	32.7 %			25-150						

Sample Information

Client Sample ID: FMW-25

York Sample ID: 24J1420-02

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 11:10 am

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO

120 RESEARCH DRIVE

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Sample Information

Client Sample ID: FMW-25

York Sample ID: 24J1420-02

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 11:10 am

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO



Sample Information

Client Sample ID: FMW-25

York Sample ID: 24J1420-02

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 11:10 am

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO



Sample Information

Client Sample ID: FMW-25

York Sample ID: 24J1420-02

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 11:10 am

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
74-88-4	* Iodomethane	ND	CCVE, ICVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO



Sample Information

Client Sample ID: FMW-25

York Sample ID: 24J1420-02

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 11:10 am

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 16:42	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 16:42	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 16:42	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 16:42	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:42	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 16:42	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 16:42	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 16:42	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 16:42	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 16:42	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 16:42	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 16:42	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 16:42	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 16:42	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	79-122								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.09	J	ng/L	0.446	1.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	0.784	J	ng/L	0.332	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM



Sample Information

Client Sample ID: FMW-25

York Sample ID: 24J1420-02

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 11:10 am

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.26	J	ng/L	0.674	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	5.95		ng/L	0.645	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
335-67-1	Perfluorooctanoic acid (PFOA)	8.70		ng/L	0.398	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	5.04		ng/L	0.778	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
375-95-1	Perfluorononanoic acid (PFNA)	1.43	J	ng/L	0.493	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.712	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.07	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.835	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.702	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.655	1.90	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.750	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.977	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.21	J	ng/L	0.218	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.835	1.90	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.863	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.25	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.01	7.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.94	7.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1.99	J	ng/L	0.313	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.474	3.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 10:55	AM
151772-58-6	Perfluoro-3,6-dioxahепtanoic acid (NFDHA)	ND		ng/L	2.03	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 10:55	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.237	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 10:55	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.351	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 10:55	AM



Sample Information

Client Sample ID: FMW-25

York Sample ID: 24J1420-02

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 11:10 am

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1.35	J	ng/L	0.721	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.70	7.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.06	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.31	7.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.664	7.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
919005-14-4	ADONA	ND		ng/L	0.503	7.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.882	1.84	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:55	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.816	1.82	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 10:55	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.93	4.74	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:55	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.95	23.7	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:55	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.98	23.7	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:55	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.79	19.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:55	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.50	1.90	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:55	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.79	19.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:55	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.71	1.90	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 10:55	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	100 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	147 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	132 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	110 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	136 %	25-150								
13C6PFDA	Surrogate: M6PFDA	137 %	25-150								
13C7PFUNA	Surrogate: M7PFUdA	92.3 %	25-150								
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	52.1 %	25-150								
13C2PFTEDA	Surrogate: M2PFTeDA	19.1 %	10-150								
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	141 %	25-150								



York Sample ID: 24J1420-02

Date Received
10/22/2024

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	131 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	159 %		PFSu-H	25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	111 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	95.2 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	92.8 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	191 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	101 %			25-200						
13C9PFNA	Surrogate: M9PFNA	133 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	224 %		PFSu-H	25-150						
d-N-MeFOSA	Surrogate: d-N-MeFOSA	30.4 %			25-150						
d-N-EtFOSA	Surrogate: d-N-EtFOSA	22.6 %		PFSu-L	25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	143 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	18.7 %		PFSu-L	25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	31.7 %			25-150						

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 11:25	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 11:25	GXB
	Surrogate Recoveries	Result		Acceptance Range						
110-63-4	Surrogate: 1,4-Butanediol			30-130						

Sample Information

York Sample ID: 24.J1420-03

Date Received
10/22/2024

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE www.YORKLAB.com		STRATFORD, CT 06615 (203) 325-1371			■		132-02 89th AVENUE FAX (203) 357-0166		RICHMOND HILL, NY 11418 ClientServices@		



Sample Information

Client Sample ID: MW-57

York Sample ID: 24J1420-03

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 12:30 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.533	J	ng/L	0.487	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	0.559	J	ng/L	0.362	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.735	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.60	J	ng/L	0.704	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
335-67-1	Perfluorooctanoic acid (PFOA)	2.65		ng/L	0.435	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.42	J	ng/L	0.849	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.538	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.776	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.17	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.911	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.766	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.714	2.07	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.818	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.07	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.825	J	ng/L	0.238	4.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.911	2.07	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.942	1.98	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.37	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.10	7.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.12	7.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.342	8.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.518	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 11:12	AM



Sample Information

Client Sample ID: MW-57

York Sample ID: 24J1420-03

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 12:30 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.22	4.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 11:12	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.259	4.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 11:12	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.383	4.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 11:12	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.787	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.85	7.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.34	8.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.43	7.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.725	7.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
919005-14-4	ADONA	ND		ng/L	0.549	7.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.963	2.01	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:12	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.890	1.99	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:12	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.10	5.18	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:12	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.59	25.9	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:12	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.80	25.9	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:12	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.13	20.7	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:12	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.64	2.07	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:12	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.13	20.7	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:12	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.86	2.07	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:12	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	99.0 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	105 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	82.6 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	107 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	110 %	25-150								
13C6PFDA	Surrogate: M6PFDA	89.1 %	25-150								
13C7PFUNA	Surrogate: M7PFUDa	62.6 %	25-150								



Sample Information

Client Sample ID: MW-57

York Sample ID: 24J1420-03

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 12:30 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	38.0 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	18.2 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	16.7 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	99.1 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	92.0 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	105 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	78.8 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	82.7 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	66.3 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	73.2 %			25-200						
13C9PFNA	Surrogate: M9PFNA	82.9 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	86.0 %			25-150						
d-N-MeFOSA	Surrogate: d-N-MeFOSA	62.0 %			25-150						
d-N-EtFOSA	Surrogate: d-N-EtFOSA	51.2 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	96.3 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	32.1 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	41.7 %			25-150						

Sample Information

Client Sample ID: FMW-26

York Sample ID: 24J1420-04

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 12:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.10	J	ng/L	0.504	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	10.5		ng/L	0.376	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	7.08	PF-CCV -H	ng/L	0.762	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	3.12		ng/L	0.730	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM



Sample Information

Client Sample ID: FMW-26

York Sample ID: 24J1420-04

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 12:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	13.0		ng/L	0.451	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	44.1		ng/L	0.880	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
375-95-1	Perfluorononanoic acid (PFNA)	1.53	J	ng/L	0.558	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.805	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.21	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.944	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.794	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.740	2.15	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.848	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.11	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	11.2		ng/L	0.247	4.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.944	2.15	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.976	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.42	2.07	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.14	8.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.20	8.24	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	4.81	J	ng/L	0.354	8.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.536	3.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 11:28	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.30	4.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 11:28	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.268	4.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 11:28	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.397	4.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 11:28	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.815	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.92	8.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM



Sample Information

Client Sample ID: FMW-26

York Sample ID: 24J1420-04

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 12:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.47	8.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.48	8.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.751	8.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
919005-14-4	ADONA	ND		ng/L	0.569	8.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.998	2.08	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:28	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.923	2.06	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:28	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.18	5.36	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:28	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.86	26.8	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:28	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.2	26.8	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:28	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.28	21.5	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:28	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.70	2.15	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:28	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.28	21.5	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:28	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.93	2.15	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:28	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	104 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	103 %	25-150
13C4PFHPA	Surrogate: M4PFHPA	96.8 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	109 %	25-150
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	116 %	25-150
13C6PFDA	Surrogate: M6PFDA	110 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	77.6 %	25-150
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	42.7 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	16.8 %	10-150
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	114 %	25-150
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	87.4 %	25-150
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	103 %	25-150



Sample Information

Client Sample ID: FMW-26

York Sample ID: 24J1420-04

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 12:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	92.8 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	80.2 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	82.5 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	74.6 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	77.4 %			25-200						
13C9PFNA	Surrogate: M9PFNA	103 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	99.1 %			25-150						
d-N-MeFOSA	Surrogate: d-N-MeFOSA	38.8 %			25-150						
d-N-EtFOSA	Surrogate: d-N-EtFOSA	22.5 %	PFSu-L		25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	91.1 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	22.4 %	PFSu-L		25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	36.4 %			25-150						

Sample Information

Client Sample ID: MW-43

York Sample ID: 24J1420-05

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 1:00 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/24/2024 08:00	10/24/2024 17:10	FO



Sample Information

Client Sample ID: MW-43

York Sample ID: 24J1420-05

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 1:00 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO



Sample Information

Client Sample ID: MW-43

York Sample ID: 24J1420-05

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 1:00 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO



Sample Information

Client Sample ID: MW-43

York Sample ID: 24J1420-05

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 1:00 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-88-4	* Iodomethane	ND	QL-02, CCVE, ICVE	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:10	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/24/2024 08:00	10/24/2024 17:10	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	4.97		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:10	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:10	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	10/24/2024 08:00	10/24/2024 17:10	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	10/24/2024 08:00	10/24/2024 17:10	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:10	FO
994-05-8	tert-Amyl methyl ether (TAME)	0.750		ug/L	0.511	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:10	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:10	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO
127-18-4	Tetrachloroethylene	1.06	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:10	FO



Sample Information

Client Sample ID: MW-43

York Sample ID: 24J1420-05

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 1:00 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:10	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.8 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	79-122								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	12.4		ng/L	2.35	8.85	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	47.1		ng/L	1.75	10.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	38.0	PF-CCV -H	ng/L	3.55	10.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	108		ng/L	3.40	9.15	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
335-67-1	Perfluorooctanoic acid (PFOA)	41.9		ng/L	2.10	10.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	144		ng/L	4.10	9.30	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
375-95-1	Perfluorononanoic acid (PFNA)	37.5		ng/L	2.60	10.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM



Sample Information

Client Sample ID: MW-43

York Sample ID: 24J1420-05

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

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Ground Water

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October 21, 2024 1:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	3.75	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	5.65	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	4.40	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	3.70	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	3.45	10.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
2355-31-9	N-MeFOSAA	ND		ng/L	3.95	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.15	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	64.1		ng/L	1.15	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	4.40	10.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	4.55	9.55	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	6.60	9.65	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.30	38.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	10.2	38.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.65	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	2.50	17.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 11:44	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	10.7	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 11:44	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	1.25	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 11:44	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.85	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 11:44	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	14.5		ng/L	3.80	9.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	8.95	37.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	16.2	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	6.90	37.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	3.50	37.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM



Sample Information

<u>Client Sample ID:</u>	MW-43	<u>York Sample ID:</u>	24J1420-05
<u>York Project (SDG) No.</u>	24J1420	<u>Client Project ID</u>	Westchester County Airport
<u>Matrix</u>	Ground Water	<u>Collection Date/Time</u>	October 21, 2024 1:00 pm
		<u>Date Received</u>	10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	ADONA	ND		ng/L	2.65	37.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	4.65	9.70	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	4.30	9.60	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 11:44	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	10.2	25.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	36.6	125	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	47.4	125	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
24448-09-7	* N-MeFOSE	ND		ng/L	20.0	100	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
31506-32-8	* N-MeFOSA	ND		ng/L	7.90	10.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
1691-99-2	* N-EtFOSE	ND		ng/L	20.0	100	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
4151-50-2	* N-EtFOSA	ND		ng/L	9.00	10.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 11:44	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	104 %			25-150						
13C5PFHXA	Surrogate: M5PFHxA	116 %			25-150						
13C4PFHPA	Surrogate: M4PFHpA	107 %			25-150						
13C3PFHXS	Surrogate: M3PFHxS	117 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	116 %			25-150						
13C6PFDA	Surrogate: M6PFDA	127 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	111 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	69.6 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	65.5 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	9.96 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	103 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	97.4 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	114 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	96.2 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	111 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	76.8 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	84.4 %			25-200						



Sample Information

Client Sample ID: MW-43

York Sample ID: 24J1420-05

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 1:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C9PFNA	Surrogate: M9PFNA	114 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	99.0 %			25-150						
d-N-MeFOSA	Surrogate: d-N-MeFOSA	74.9 %			25-150						
d-N-EtFOSA	Surrogate: d-N-EtFOSA	56.8 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	117 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	66.5 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	81.8 %			25-150						

Sample Information

Client Sample ID: MW-44

York Sample ID: 24J1420-06

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 1:05 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	14.4		ng/L	2.35	8.85	1	EPA 1633 Draft 3	10/28/2024 11:45	10/29/2024 12:00	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
307-24-4	Perfluorohexanoic acid (PFHxA)	36.6		ng/L	1.75	10.0	1	EPA 1633 Draft 3	10/28/2024 11:45	10/29/2024 12:00	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
375-85-9	Perfluoroheptanoic acid (PFHpA)	28.8	PF-CCV	ng/L	3.55	10.0	1	EPA 1633 Draft 3	10/28/2024 11:45	10/29/2024 12:00	AM
			-H					Certifications: NELAC-NY12058,NJDEP-NY037			
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	112		ng/L	3.40	9.15	1	EPA 1633 Draft 3	10/28/2024 11:45	10/29/2024 12:00	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
335-67-1	Perfluorooctanoic acid (PFOA)	57.8		ng/L	2.10	10.0	1	EPA 1633 Draft 3	10/28/2024 11:45	10/29/2024 12:00	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	145		ng/L	4.10	9.30	1	EPA 1633 Draft 3	10/28/2024 11:45	10/29/2024 12:00	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
375-95-1	Perfluorononanoic acid (PFNA)	23.7		ng/L	2.60	10.0	1	EPA 1633 Draft 3	10/28/2024 11:45	10/29/2024 12:00	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	3.75	10.0	1	EPA 1633 Draft 3	10/28/2024 11:45	10/29/2024 12:00	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	5.65	10.0	1	EPA 1633 Draft 3	10/28/2024 11:45	10/29/2024 12:00	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	4.40	10.0	1	EPA 1633 Draft 3	10/28/2024 11:45	10/29/2024 12:00	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	3.70	10.0	1	EPA 1633 Draft 3	10/28/2024 11:45	10/29/2024 12:00	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	3.45	10.0	1	EPA 1633 Draft 3	10/28/2024 11:45	10/29/2024 12:00	AM
								Certifications: NJDEP-NY037			



Sample Information

Client Sample ID: MW-44

York Sample ID: 24J1420-06

York Project (SDG) No.

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Client Project ID

Westchester County Airport

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Ground Water

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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	3.95	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.15	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	63.7		ng/L	1.15	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	4.40	10.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	4.55	9.55	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	6.60	9.65	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.30	38.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	10.2	38.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.65	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	2.50	17.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 12:00	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	10.7	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 12:00	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	1.25	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 12:00	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.85	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 12:00	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	19.5		ng/L	3.80	9.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	8.95	37.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	16.2	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	6.90	37.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	3.50	37.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
919005-14-4	ADONA	ND		ng/L	2.65	37.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	4.65	9.70	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:00	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	4.30	9.60	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:00	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	10.2	25.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:00	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	36.6	125	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:00	AM



Sample Information

Client Sample ID: MW-44

York Sample ID: 24J1420-06

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 1:05 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	47.4	125	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:00	AM
24448-09-7	* N-MeFOSE	ND		ng/L	20.0	100	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:00	AM
31506-32-8	* N-MeFOSA	ND		ng/L	7.90	10.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:00	AM
1691-99-2	* N-EtFOSE	ND		ng/L	20.0	100	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:00	AM
4151-50-2	* N-EtFOSA	ND		ng/L	9.00	10.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:00	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	115 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	123 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	106 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	124 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	141 %	25-150
13C6PFDA	Surrogate: M6PFDA	145 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	120 %	25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	93.7 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	75.8 %	10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	31.2 %	25-150
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	130 %	25-150
2283397-79-3	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	105 %	25-150
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	119 %	10-150
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	102 %	25-150
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	117 %	25-150
M2-6:2FTS	Surrogate: M2-6:2 FTS	80.1 %	25-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	94.6 %	25-200
13C9PFNA	Surrogate: M9PFNA	125 %	25-150
M2-4:2FTS	Surrogate: M2-4:2 FTS	113 %	25-150
d-N-MeFOSA	Surrogate: d-N-MeFOSA	75.7 %	25-150
d-N-EtFOSA	Surrogate: d-N-EtFOSA	57.8 %	25-150
M3HFPO-DA	Surrogate: M3HFPO-DA	117 %	25-150
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	75.7 %	25-150
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	92.8 %	25-150



Sample Information

Client Sample ID: MW-8

York Sample ID: 24J1420-07

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 2:15 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO



Sample Information

Client Sample ID: MW-8

York Sample ID: 24J1420-07

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 2:15 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
74-87-3	Chloromethane	0.380		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
156-59-2	cis-1,2-Dichloroethylene	0.440		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO



Sample Information

Client Sample ID: MW-8

York Sample ID: 24J1420-07

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 2:15 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
74-88-4	* Iodomethane	ND	CCVE, ICVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO



Sample Information

Client Sample ID: MW-8

York Sample ID: 24J1420-07

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 2:15 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:38	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418			
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@		Page 32 of 72	



Sample Information

Client Sample ID: MW-8

York Sample ID: 24J1420-07

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 2:15 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	31.9		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	107		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	85.6	PF-CCV -H	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	442		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
335-67-1	Perfluorooctanoic acid (PFOA)	121		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1370		ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
375-95-1	Perfluorononanoic acid (PFNA)	105		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	132		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	31.5		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfon ic acid (6:2 FTS)	28.4	J	ng/L	10.6	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	20.5	76.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 12:16	AM



Sample Information

Client Sample ID: MW-8

York Sample ID: 24J1420-07

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 2:15 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 12:16	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 12:16	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 12:16	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	47.1		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:16	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:16	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:16	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:16	AM
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:16	AM
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:16	AM
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:16	AM
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:16	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	103 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	104 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	94.8 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	110 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	110 %	25-150
13C6PFDA	Surrogate: M6PFDA	107 %	25-150
13C7PFUNA	Surrogate: M7PFUDa	102 %	25-150



Sample Information

Client Sample ID: MW-8

York Sample ID: 24J1420-07

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 2:15 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	68.0 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	61.8 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	5.10 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	113 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	80.9 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	119 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	89.8 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	104 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	72.5 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	74.6 %			25-200						
13C9PFNA	Surrogate: M9PFNA	102 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	97.4 %			25-150						
d-N-MeFOSA	Surrogate: d-N-MeFOSA	78.3 %			25-150						
d-N-EtFOSA	Surrogate: d-N-EtFOSA	66.9 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	92.4 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	72.6 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	84.3 %			25-150						

Sample Information

Client Sample ID: MW-63

York Sample ID: 24J1420-08

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	318		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	1550		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	594	PF-CCV -H	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	12700		ng/L	68.0	183	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:20	AM

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Sample Information

Client Sample ID: MW-63

York Sample ID: 24J1420-08

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	17800		ng/L	42.0	200	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:20	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	4170		ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
375-95-1	Perfluorononanoic acid (PFNA)	62.2		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	513		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	500		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	525		ng/L	10.6	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	20.5	76.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	178		ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 12:32	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 12:32	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 12:32	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 12:32	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	789		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM



Sample Information

Client Sample ID: MW-63

York Sample ID: 24J1420-08

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:32	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 12:32	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:32	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:32	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:32	AM
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:32	AM
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:32	AM
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:32	AM
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 12:32	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	107 %	25-150
M3PFBS	Surrogate: M3PFBS	126 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	129 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	115 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	104 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	101 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	113 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	106 %	25-150
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	122 %	25-150
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	135 %	25-150
13C6PFDA	Surrogate: M6PFDA	115 %	25-150
13C6PFDA	Surrogate: M6PFDA	154 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	111 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	92.3 %	25-150



Sample Information

Client Sample ID: MW-63

York Sample ID: 24J1420-08

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	81.5 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	82.0 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	67.8 %			10-150						
13C2PFTEDA	Surrogate: M2PFTeDA	71.7 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	16.5 %	PFSu-L		25-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	3.12 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	128 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	124 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	101 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	79.4 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	133 %			10-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	120 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	102 %			25-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	101 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	121 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	112 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	76.1 %			25-200						
M2-6:2FTS	Surrogate: M2-6:2 FTS	105 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	90.3 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	107 %			25-200						
13C9PFNA	Surrogate: M9PFNA	115 %			25-150						
13C9PFNA	Surrogate: M9PFNA	92.2 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	103 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	145 %			25-150						
d-N-MeFOSA	Surrogate: d-N-MeFOSA	88.1 %			25-150						
d-N-MeFOSA	Surrogate: d-N-MeFOSA	68.9 %			25-150						
d-N-EtFOSA	Surrogate: d-N-EtFOSA	72.9 %			25-150						
d-N-EtFOSA	Surrogate: d-N-EtFOSA	62.9 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	120 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	106 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	79.8 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	77.4 %			25-150						



Sample Information

Client Sample ID: MW-63

York Sample ID: 24J1420-08

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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
D7-NMEPFOSA Surrogate: d7-N-MeFOSE		86.5 %			25-150						
D7-NMEPFOSA Surrogate: d7-N-MeFOSE		84.7 %			25-150						

Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24J1420-09

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	297		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	1490		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	PF-CCV -H	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	12600		ng/L	68.0	183	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 14:42	AM
335-67-1	Perfluorooctanoic acid (PFOA)	17700		ng/L	42.0	200	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 14:42	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	4130		ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
375-95-1	Perfluorononanoic acid (PFNA)	48.9		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM



Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24J1420-09

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24J1420

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Westchester County Airport

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Ground Water

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October 21, 2024 3:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2706-90-3	Perfluoropentanoic acid (PFPeA)	525		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	507		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	551		ng/L	10.6	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	20.5	76.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	201		ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 13:36	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 13:36	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 13:36	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 13:36	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	779		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 13:36	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 13:36	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 13:36	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 13:36	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 13:36	AM
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 13:36	AM



Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24J1420-09

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:00 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 13:36	AM
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 13:36	AM
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 13:36	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	120 %			25-150						
M3PFBS	Surrogate: M3PFBS	127 %			25-150						
13C5PFHXA	Surrogate: M5PFHxA	115 %			25-150						
13C5PFHXA	Surrogate: M5PFHxA	124 %			25-150						
13C4PFHPA	Surrogate: M4PFHpA	95.0 %			25-150						
13C4PFHPA	Surrogate: M4PFHpA	107 %			25-150						
13C3PFHXS	Surrogate: M3PFHxS	119 %			25-150						
13C3PFHXS	Surrogate: M3PFHxS	103 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	128 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	127 %			25-150						
13C6PFDA	Surrogate: M6PFDA	142 %			25-150						
13C6PFDA	Surrogate: M6PFDA	147 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	104 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	128 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	93.6 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	79.9 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	74.5 %			10-150						
13C2PFTEDA	Surrogate: M2PFTeDA	85.3 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	14.8 %	PFSu-L		25-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	3.49 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	114 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	131 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	104 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	81.4 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	128 %			10-150						



Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24J1420-09

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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	137 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	108 %			25-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	116 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	150 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	131 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	84.4 %			25-200						
M2-6:2FTS	Surrogate: M2-6:2 FTS	100 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	101 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	106 %			25-200						
13C9PFNA	Surrogate: M9PFNA	113 %			25-150						
13C9PFNA	Surrogate: M9PFNA	122 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	114 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	147 %			25-150						
d-N-MeFOSA	Surrogate: d-N-MeFOSA	76.3 %			25-150						
d-N-MeFOSA	Surrogate: d-N-MeFOSA	87.1 %			25-150						
d-N-EtFOSA	Surrogate: d-N-EtFOSA	68.8 %			25-150						
d-N-EtFOSA	Surrogate: d-N-EtFOSA	72.4 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	113 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	115 %			25-150						
D9-NETPFOSA1	Surrogate: d9-N-EtFOSE	79.7 %			25-150						
D9-NETPFOSA1	Surrogate: d9-N-EtFOSE	95.1 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	93.4 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	100 %			25-150						

Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1420-10

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:15 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 18:06	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1420-10

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:15 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1420-10

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:15 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
67-66-3	Chloroform	1.05		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1420-10

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:15 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
74-88-4	* Iodomethane	ND	CCVE, ICVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO



Sample Information

Client Sample ID: Field Blank		York Sample ID: 24J1420-10			
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1420	Westchester County Airport	Ground Water	October 21, 2024 3:15 pm	10/22/2024	

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 18:06	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 18:06	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 18:06	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 18:06	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 18:06	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 18:06	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:06	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 18:06	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 18:06	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 18:06	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 18:06	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 18:06	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 18:06	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 18:06	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 18:06	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 18:06	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.433	1.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1420-10

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:15 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.322	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.654	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.626	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.387	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.755	1.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.479	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.691	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.04	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.810	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.681	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.635	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.727	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.948	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.212	3.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.810	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.838	1.76	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.22	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	0.976	7.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	7.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.304	7.37	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.460	3.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 16:37	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.97	3.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 16:37	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.230	3.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 16:37	AM



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1420-10

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:15 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.341	3.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/28/2024 11:45	10/29/2024 16:37	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.700	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.65	6.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.97	7.37	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.27	6.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.645	6.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
919005-14-4	ADONA	ND		ng/L	0.488	6.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.856	1.79	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 16:37	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.792	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/28/2024 11:45	10/29/2024 16:37	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.87	4.60	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 16:37	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.75	23.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 16:37	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.72	23.0	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 16:37	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.67	18.4	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 16:37	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.45	1.84	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 16:37	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.67	18.4	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 16:37	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.66	1.84	1	EPA 1633 Draft 3 Certifications:	10/28/2024 11:45	10/29/2024 16:37	AM
Surrogate Recoveries		Result		Acceptance Range							
M3PFBS	Surrogate: M3PFBS	105 %		25-150							
13C5PFHXA	Surrogate: M5PFHxA	118 %		25-150							
13C4PFHPA	Surrogate: M4PFHpA	99.2 %		25-150							
13C3PFHXS	Surrogate: M3PFHxS	109 %		25-150							
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	115 %		25-150							
13C6PFDA	Surrogate: M6PFDA	158 %	PFSu-H	25-150							
13C7PFUNA	Surrogate: M7PFUdA	119 %		25-150							
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	84.2 %		25-150							
13C2PFTEDA	Surrogate: M2PFTeDA	65.3 %		10-150							



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1420-10

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 21, 2024 3:15 pm

Date Received

10/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.31 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	126 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	76.1 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	130 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	98.1 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	106 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	73.4 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	78.1 %			25-200						
13C9PFNA	Surrogate: M9PFNA	118 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	101 %			25-150						
d-N-MeFOSA	Surrogate: d-N-MeFOSA	80.3 %			25-150						
d-N-EtFOSA	Surrogate: d-N-EtFOSA	66.2 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	114 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	62.2 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	75.7 %			25-150						

Glycols, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 11:40	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 11:40	GXB
	Surrogate Recoveries	Result		Acceptance Range						
110-63-4	Surrogate: 1,4-Butanediol			30-130						

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1420-11

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 21, 2024 3:00 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1420-11

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 21, 2024 3:00 pm

Date Received

10/22/2024

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
67-64-1	Acetone	1.8	J	ug/L	1.0	2.0	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1420-11

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 21, 2024 3:00 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
75-27-4	Bromodichloromethane	0.38	J	ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
67-66-3	Chloroform	4.8		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1420-11

York Project (SDG) No.

24J1420

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 21, 2024 3:00 pm

Date Received

10/22/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
75-65-0	tert-Butyl alcohol (TBA)	1.2		ug/L	0.50	1.0	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 16:13	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	99.9 %	81-117								



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1420-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24J1420

Westchester County Airport

Water

October 21, 2024 3:00 pm

10/22/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			79-122						



Analytical Batch Summary

Batch ID: BJ41647

Preparation Method: EPA 5030B

Prepared By: FO

YORK Sample ID	Client Sample ID	Preparation Date
24J1420-02	FMW-25	10/24/24
24J1420-05	MW-43	10/24/24
24J1420-07	MW-8	10/24/24
24J1420-10	Field Blank	10/24/24
24J1420-11	Trip Blank	10/24/24
BJ41647-BLK1	Blank	10/24/24
BJ41647-BS1	LCS	10/24/24

Batch ID: BJ41757

Preparation Method: Preparation for GC Analysis

Prepared By: GXB

YORK Sample ID	Client Sample ID	Preparation Date
24J1420-02	FMW-25	10/26/24
24J1420-10	Field Blank	10/26/24
BJ41757-BLK1	Blank	10/26/24

Batch ID: BJ41890

Preparation Method: EPA 1633 Prep

Prepared By: MPR

YORK Sample ID	Client Sample ID	Preparation Date
24J1420-01	DPW-2	10/28/24
24J1420-02	FMW-25	10/28/24
24J1420-03	MW-57	10/28/24
24J1420-04	FMW-26	10/28/24
24J1420-05	MW-43	10/28/24
24J1420-06	MW-44	10/28/24
24J1420-07	MW-8	10/28/24
24J1420-08	MW-63	10/28/24
24J1420-08RE1	MW-63	10/28/24
24J1420-09	Field Duplicate	10/28/24
24J1420-09RE1	Field Duplicate	10/28/24
24J1420-10	Field Blank	10/28/24
BJ41890-BLK1	Blank	10/28/24
BJ41890-BS1	LCS	10/28/24
BJ41890-BS2	LCS	10/28/24
BJ41890-MS1	Matrix Spike	10/28/24
BJ41890-MS2	Matrix Spike	10/28/24
BJ41890-MSD1	Matrix Spike Dup	10/28/24
BJ41890-MSD2	Matrix Spike Dup	10/28/24



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41647 - EPA 5030B

Blank (BJ41647-BLK1)

Prepared & Analyzed: 10/24/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4,5-Tetramethylbenzene	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41647 - EPA 5030B

Blank (BJ41647-BLK1)

Prepared & Analyzed: 10/24/2024

Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	"								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.91		"	10.0		99.1	70-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41647 - EPA 5030B											
LCS (BJ41647-BS1)						Prepared & Analyzed: 10/24/2024					
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	10.3		"	10.0		103	78-130				
1,1,2,2-Tetrachloroethane	12.0		"	10.0		120	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	70-130				
1,1,2-Trichloroethane	10.9		"	10.0		109	82-123				
1,1-Dichloroethane	10.1		"	10.0		101	82-129				
1,1-Dichloroethylene	10.5		"	10.0		105	70-130				
1,1-Dichloropropylene	10.4		"	10.0		104	83-133				
1,2,3-Trichlorobenzene	12.2		"	10.0		122	76-130				
1,2,3-Trichloropropane	11.2		"	10.0		112	77-128				
1,2,4,5-Tetramethylbenzene	11.5		"	10.0		115	85-140				
1,2,4-Trichlorobenzene	12.1		"	10.0		121	76-130				
1,2,4-Trimethylbenzene	11.4		"	10.0		114	82-132				
1,2-Dibromo-3-chloropropane	12.3		"	10.0		123	45-147				
1,2-Dibromoethane	11.2		"	10.0		112	83-124				
1,2-Dichlorobenzene	10.9		"	10.0		109	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-130				
1,2-Dichloropropane	10.9		"	10.0		109	78-126				
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131				
1,3-Dichlorobenzene	10.8		"	10.0		108	86-122				
1,3-Dichloropropane	10.9		"	10.0		109	81-125				
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124				
1,4-Dioxane	386		"	210		184	40-160	High Bias			
2,2-Dichloropropane	13.2		"	10.0		132	56-150				
2-Butanone	10.8		"	10.0		108	49-152				
2-Chlorotoluene	10.9		"	10.0		109	79-130				
2-Hexanone	10.8		"	10.0		108	51-146				
4-Chlorotoluene	10.9		"	10.0		109	79-128				
4-Methyl-2-pentanone	11.4		"	10.0		114	57-145				
Acetone	20.2		"	10.0		202	40-150	High Bias			
Acrolein	21.0		"	10.0		210	10-153	High Bias			
Acrylonitrile	11.0		"	10.0		110	51-150				
Benzene	10.7		"	10.0		107	85-126				
Bromobenzene	11.0		"	10.0		110	78-129				
Bromochloromethane	10.8		"	10.0		108	77-128				
Bromodichloromethane	10.9		"	10.0		109	79-128				
Bromoform	11.5		"	10.0		115	78-130				
Bromomethane	13.5		"	10.0		135	43-160				
Carbon disulfide	10.4		"	10.0		104	68-146				
Carbon tetrachloride	10.5		"	10.0		105	77-130				
Chlorobenzene	10.8		"	10.0		108	88-120				
Chloroethane	11.0		"	10.0		110	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	12.4		"	10.0		124	43-155				
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	11.4		"	10.0		114	80-130				
Cyclohexane	9.47		"	10.0		94.7	70-130				
Dibromochloromethane	11.2		"	10.0		112	80-130				
Dibromomethane	10.8		"	10.0		108	72-134				
Dichlorodifluoromethane	14.8		"	10.0		148	44-144	High Bias			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41647 - EPA 5030B

LCS (BJ41647-BS1)

Prepared & Analyzed: 10/24/2024

Diisopropyl ether (DIPE)	10.7		ug/L	10.0		107	70-130				
Ethyl Benzene	11.2		"	10.0		112	80-130				
Ethyl tert-butyl ether (ETBE)	10.8		"	10.0		108	70-130				
Hexachlorobutadiene	11.9		"	10.0		119	67-146				
Iodomethane	6.02		"	10.0		60.2	70-130	Low Bias			
Isopropylbenzene	11.0		"	10.0		110	76-130				
Methyl acetate	9.02		"	10.0		90.2	70-130				
Methyl Methacrylate	11.6		"	10.0		116	72-132				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-130				
Methyleyclohexane	10.3		"	10.0		103	72-130				
Methylene chloride	10.3		"	10.0		103	70-130				
Naphthalene	12.7		"	10.0		127	70-147				
n-Butylbenzene	11.7		"	10.0		117	79-132				
n-Propylbenzene	11.2		"	10.0		112	78-133				
o-Xylene	10.9		"	10.0		109	78-130				
p- & m- Xylenes	19.2		"	20.0		95.8	77-130				
p-Diethylbenzene	11.4		"	10.0		114	84-134				
p-Ethyltoluene	11.4		"	10.0		114	88-129				
p-Isopropyltoluene	11.6		"	10.0		116	81-136				
sec-Butylbenzene	11.2		"	10.0		112	79-137				
Styrene	11.1		"	10.0		111	70-130				
tert-Amyl alcohol (TAA)	122		"	100		122	70-130				
tert-Amyl methyl ether (TAME)	11.1		"	10.0		111	70-130				
tert-Butyl alcohol (TBA)	55.7		"	50.0		111	25-162				
tert-Butylbenzene	10.7		"	10.0		107	77-138				
Tetrachloroethylene	5.62		"	10.0		56.2	82-130	Low Bias			
Tetrahydrofuran	11.0		"	10.0		110	36-166				
Toluene	10.8		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-130				
trans-1,3-Dichloropropylene	11.8		"	10.0		118	78-130				
trans-1,4-dichloro-2-butene	10.9		"	10.0		109	63-141				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	12.2		"	10.0		122	67-139				
Vinyl acetate	10.0		"	10.0		100	21-90	High Bias			
Vinyl Chloride	12.3		"	10.0		123	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.96		"	10.0		99.6	70-130				
Surrogate: SURR: Toluene-d8	9.97		"	10.0		99.7	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41890 - EPA 1633 Prep

Blank (BJ41890-BLK1)

Prepared: 10/28/2024 Analyzed: 10/29/2024

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	19.1		"	23.3		82.2	25-150				
Surrogate: M5PFHxA	26.1		"	25.0		104	25-150				
Surrogate: M4PFHpA	21.0		"	25.0		83.8	25-150				
Surrogate: M3PFHxS	21.0		"	23.7		88.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	28.3		"	25.0		113	25-150				
Surrogate: M6PFDA	15.0		"	12.5		120	25-150				
Surrogate: M7PFUdA	13.2		"	12.5		106	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41890 - EPA 1633 Prep

Blank (BJ41890-BLK1)

Prepared: 10/28/2024 Analyzed: 10/29/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.5		ng/L	12.5		91.8	25-150				
Surrogate: M2PFTeDA	8.42		"	12.5		67.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	8.71		"	100		8.71	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	23.7		"	24.0		99.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	30.0		"	50.0		60.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	28.0		"	25.0		112	10-150				
Surrogate: d3-N-MeFOSAA	45.2		"	50.0		90.4	25-150				
Surrogate: d5-N-EtFOSAA	53.5		"	50.0		107	25-150				
Surrogate: M2-6:2 FTS	27.3		"	47.6		57.4	25-200				
Surrogate: M2-8:2 FTS	35.0		"	48.0		73.0	25-200				
Surrogate: M9PFNA	11.8		"	12.5		94.8	25-150				
Surrogate: M2-4:2 FTS	36.2		"	46.9		77.1	25-150				
Surrogate: d-N-MeFOSA	18.7		"	25.0		74.7	25-150				
Surrogate: d-N-EtFOSA	15.1		"	25.0		60.3	25-150				
Surrogate: M3HFPO-DA	92.4		"	100		92.4	25-150				
Surrogate: d9-N-EtFOSE	169		"	250		67.4	25-150				
Surrogate: d7-N-MeFOSE	174		"	250		69.6	25-150				

LCS (BJ41890-BS1)

Prepared: 10/28/2024 Analyzed: 10/29/2024

Perfluorobutanesulfonic acid (PFBS)	34.6	1.77	ng/L	35.4		97.9	50-150				
Perfluorohexanoic acid (PFHxA)	39.5	2.00	"	40.0		98.7	50-150				
Perfluoroheptanoic acid (PFHpA)	50.6	2.00	"	40.0		127	50-150				
Perfluorohexanesulfonic acid (PFHxS)	38.1	1.83	"	36.6		104	50-150				
Perfluorooctanoic acid (PFOA)	33.9	2.00	"	40.0		84.7	50-150				
Perfluorooctanesulfonic acid (PFOS)	38.9	1.86	"	37.2		105	50-150				
Perfluorononanoic acid (PFNA)	39.9	2.00	"	40.0		99.9	50-150				
Perfluorodecanoic acid (PFDA)	30.1	2.00	"	40.0		75.3	50-150				
Perfluoroundecanoic acid (PFUnA)	39.5	2.00	"	40.0		98.7	50-150				
Perfluorododecanoic acid (PFDoA)	36.3	2.00	"	40.0		90.6	50-150				
Perfluorotridecanoic acid (PFTriDA)	42.1	2.00	"	40.0		105	50-150				
Perfluorotetradecanoic acid (PFTA)	37.6	2.00	"	40.0		94.1	50-150				
N-MeFOSAA	40.2	2.00	"	40.0		100	50-150				
N-EtFOSAA	41.6	2.00	"	40.0		104	50-150				
Perfluoropentanoic acid (PFPeA)	82.8	4.00	"	80.0		104	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	35.5	2.00	"	40.0		88.7	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	41.0	1.91	"	38.2		107	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	37.0	1.93	"	38.6		95.8	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	138	7.60	"	152		90.7	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	145	7.68	"	154		94.2	50-150				
Perfluoro-n-butanoic acid (PFBA)	158	8.00	"	160		98.4	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	79.0	3.56	"	71.2		111	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	106	4.00	"	80.0		133	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	24.6	4.00	"	80.0		30.7	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	103	4.00	"	80.0		128	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	39.6	1.88	"	37.6		105	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41890 - EPA 1633 Prep											
LCS (BJ41890-BS1)						Prepared: 10/28/2024 Analyzed: 10/29/2024					
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	131	7.50	ng/L	150		87.3	50-150				
HFPO-DA (Gen-X)	81.4	8.00	"	80.0		102	50-150				
11CL-PF3OUdS	72.4	7.56	"	75.6		95.8	50-150				
9CL-PF3ONS	83.4	7.48	"	74.8		111	50-150				
ADONA	82.6	7.56	"	75.6		109	50-150				
Perfluorododecanesulfonic acid (PFDoS)	27.5	1.94	"	38.8		70.9	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	41.6	1.92	"	38.4		108	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	99.8	5.00	"	160		62.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	863	25.0	"	800		108	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	951	25.0	"	800		119	50-150				
N-MeFOSE	349	20.0	"	400		87.2	50-150				
N-MeFOSA	41.3	2.00	"	40.0		103	50-150				
N-EtFOSE	403	20.0	"	400		101	50-150				
N-EtFOSA	35.3	2.00	"	40.0		88.2	50-150				
Surrogate: M3PFBS	22.3		"	23.3		95.9	25-150				
Surrogate: M5PFHxA	29.2		"	25.0		117	25-150				
Surrogate: M4PFHpA	25.7		"	25.0		103	25-150				
Surrogate: M3PFHxS	24.8		"	23.7		105	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	33.1		"	25.0		132	25-150				
Surrogate: M6PFDA	16.8		"	12.5		135	25-150				
Surrogate: M7PFUdA	14.3		"	12.5		115	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.6		"	12.5		93.0	25-150				
Surrogate: M2PFTeDA	8.81		"	12.5		70.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.7		"	100		10.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	25.6		"	24.0		107	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	37.6		"	50.0		75.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	29.2		"	25.0		117	10-150				
Surrogate: d3-N-MeFOSAA	49.5		"	50.0		99.0	25-150				
Surrogate: d5-N-EtFOSAA	54.2		"	50.0		108	25-150				
Surrogate: M2-6:2 FTS	37.4		"	47.6		78.7	25-200				
Surrogate: M2-8:2 FTS	43.1		"	48.0		89.8	25-200				
Surrogate: M9PFNA	13.4		"	12.5		107	25-150				
Surrogate: M2-4:2 FTS	43.6		"	46.9		92.9	25-150				
Surrogate: d-N-MeFOSA	21.3		"	25.0		85.1	25-150				
Surrogate: d-N-EtFOSA	15.5		"	25.0		62.1	25-150				
Surrogate: M3HFPO-DA	114		"	100		114	25-150				
Surrogate: d9-N-EtFOSE	186		"	250		74.3	25-150				
Surrogate: d7-N-MeFOSE	220		"	250		88.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41890 - EPA 1633 Prep

LCS (BJ41890-BS2)

Prepared: 10/28/2024 Analyzed: 10/29/2024

Perfluorobutanesulfonic acid (PFBS)	7.06	1.77	ng/L	7.08		99.8	50-150				
Perfluorohexanoic acid (PFHxA)	8.19	2.00	"	8.00		102	50-150				
Perfluoroheptanoic acid (PFHpA)	9.40	2.00	"	8.00		117	50-150				
Perfluorohexanesulfonic acid (PFHxS)	7.60	1.83	"	7.32		104	50-150				
Perfluorooctanoic acid (PFOA)	7.32	2.00	"	8.00		91.5	50-150				
Perfluorooctanesulfonic acid (PFOS)	8.38	1.86	"	7.44		113	50-150				
Perfluorononanoic acid (PFNA)	6.78	2.00	"	8.00		84.7	50-150				
Perfluorodecanoic acid (PFDA)	7.76	2.00	"	8.00		97.0	50-150				
Perfluoroundecanoic acid (PFUnA)	8.36	2.00	"	8.00		104	50-150				
Perfluorododecanoic acid (PFDoA)	7.62	2.00	"	8.00		95.2	50-150				
Perfluorotridecanoic acid (PFTriDA)	8.93	2.00	"	8.00		112	50-150				
Perfluorotetradecanoic acid (PFTA)	7.30	2.00	"	8.00		91.3	50-150				
N-MeFOSAA	7.51	2.00	"	8.00		93.9	50-150				
N-EtFOSAA	8.12	2.00	"	8.00		102	50-150				
Perfluoropentanoic acid (PFPeA)	16.0	4.00	"	16.0		100	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	7.18	2.00	"	8.00		89.7	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	8.41	1.91	"	7.64		110	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	9.23	1.93	"	7.72		120	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	29.2	7.60	"	30.4		95.9	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	30.3	7.68	"	30.7		98.5	50-150				
Perfluoro-n-butanoic acid (PFBA)	31.9	8.00	"	32.0		99.6	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	15.4	3.56	"	14.2		108	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	17.5	4.00	"	16.0		109	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	5.60	4.00	"	16.0		35.0	50-150				Low Bias
Perfluoro-5-oxahexanoic acid (PFMBA)	17.6	4.00	"	16.0		110	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	8.09	1.88	"	7.52		108	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	27.5	7.50	"	30.0		91.5	50-150				
HFPO-DA (Gen-X)	11.8	8.00	"	16.0		73.4	50-150				
11CL-PF3OUdS	12.9	7.56	"	15.1		85.0	50-150				
9CL-PF3ONS	16.1	7.48	"	15.0		108	50-150				
ADONA	16.0	7.56	"	15.1		106	50-150				
Perfluorododecanesulfonic acid (PFDoS)	4.38	1.94	"	7.76		56.5	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	9.03	1.92	"	7.68		118	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	21.4	5.00	"	32.0		67.0	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	166	25.0	"	160		104	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	188	25.0	"	160		118	50-150				
N-MeFOSE	70.3	20.0	"	80.0		87.8	50-150				
N-MeFOSA	8.76	2.00	"	8.00		109	50-150				
N-EtFOSE	87.0	20.0	"	80.0		109	50-150				
N-EtFOSA	9.65	2.00	"	8.00		121	50-150				
Surrogate: M3PFBS	20.0		"	23.3		85.8	25-150				
Surrogate: M5PFHxA	27.2		"	25.0		109	25-150				
Surrogate: M4PFHpA	25.7		"	25.0		103	25-150				
Surrogate: M3PFHxS	21.2		"	23.7		89.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	28.6		"	25.0		115	25-150				
Surrogate: M6PFDA	13.0		"	12.5		104	25-150				
Surrogate: M7PFUdA	11.6		"	12.5		93.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41890 - EPA 1633 Prep

LCS (BJ41890-BS2)

Prepared: 10/28/2024 Analyzed: 10/29/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	7.87		ng/L	12.5		63.0	25-150				
Surrogate: M2PFTeDA	5.56		"	12.5		44.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.8		"	100		12.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.4		"	24.0		89.4	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	43.3		"	50.0		86.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.3		"	25.0		101	10-150				
Surrogate: d3-N-MeFOSAA	42.8		"	50.0		85.6	25-150				
Surrogate: d5-N-EtFOSAA	49.5		"	50.0		99.0	25-150				
Surrogate: M2-6:2 FTS	30.1		"	47.6		63.3	25-200				
Surrogate: M2-8:2 FTS	34.2		"	48.0		71.2	25-200				
Surrogate: M9PFNA	11.5		"	12.5		91.9	25-150				
Surrogate: M2-4:2 FTS	38.1		"	46.9		81.2	25-150				
Surrogate: d-N-MeFOSA	17.2		"	25.0		68.8	25-150				
Surrogate: d-N-EtFOSA	11.9		"	25.0		47.6	25-150				
Surrogate: M3HFPO-DA	105		"	100		105	25-150				
Surrogate: d9-N-EtFOSE	99.6		"	250		39.8	25-150				
Surrogate: d7-N-MeFOSE	131		"	250		52.2	25-150				

Matrix Spike (BJ41890-MS1)

*Source sample: 24J1420-08 (MW-63)

Prepared: 10/28/2024 Analyzed: 10/29/2024

Perfluorobutanesulfonic acid (PFBS)	635	17.7	ng/L	354	318	89.6	25-150	High Bias
Perfluorohexanoic acid (PFHxA)	1890	20.0	"	400	1550	85.6	25-150	
Perfluoroheptanoic acid (PFHpA)	1120	20.0	"	400	594	131	25-150	
Perfluorooctanesulfonic acid (PFOS)	5130	18.6	"	372	4170	260	25-150	
Perfluorononanoic acid (PFNA)	410	20.0	"	400	62.2	87.0	25-150	
Perfluorodecanoic acid (PFDA)	322	20.0	"	400	ND	80.5	25-150	
Perfluoroundecanoic acid (PFUnA)	455	20.0	"	400	ND	114	25-150	
Perfluorododecanoic acid (PFDoA)	388	20.0	"	400	ND	97.0	25-150	
Perfluorotridecanoic acid (PFTTrDA)	561	20.0	"	400	ND	140	25-150	
Perfluorotetradecanoic acid (PFTA)	407	20.0	"	400	ND	102	25-150	
N-MeFOSAA	397	20.0	"	400	ND	99.2	25-150	
N-EtFOSAA	412	20.0	"	400	ND	103	25-150	
Perfluoropentanoic acid (PFPeA)	1300	40.0	"	800	513	99.0	25-150	
Perfluoro-1-octanesulfonamide (FOSA)	334	20.0	"	400	ND	83.4	25-150	
Perfluoro-1-heptanesulfonic acid (PFHpS)	934	19.1	"	382	500	114	25-150	
Perfluoro-1-decanesulfonic acid (PFDS)	268	19.3	"	386	ND	69.5	25-150	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1830	76.0	"	1520	525	85.7	25-150	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1410	76.8	"	1540	ND	91.6	25-150	
Perfluoro-n-butanoic acid (PFBA)	1800	80.0	"	1600	178	102	25-150	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	743	35.6	"	712	ND	104	25-150	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	659	40.0	"	800	ND	82.4	25-150	
Perfluoro-4-oxapentanoic acid (PFMPA)	805	40.0	"	800	ND	101	25-150	
Perfluoro-5-oxahexanoic acid (PFMBA)	776	40.0	"	800	ND	97.0	25-150	
Perfluoro-1-pentanesulfonate (PFPeS)	1180	18.8	"	376	789	103	25-150	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1270	75.0	"	1500	ND	85.0	25-150	



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41890 - EPA 1633 Prep

Matrix Spike (BJ41890-MS1)		*Source sample: 24J1420-08 (MW-63)					Prepared: 10/28/2024 Analyzed: 10/29/2024				
HFPO-DA (Gen-X)	827	80.0	ng/L	800	ND	103	25-150				
11CL-PF3OUdS	526	75.6	"	756	ND	69.5	25-150				
9CL-PF3ONS	804	74.8	"	748	ND	107	25-150				
ADONA	757	75.6	"	756	ND	100	25-150				
Perfluorododecanesulfonic acid (PFDoS)	137	19.4	"	388	ND	35.3	25-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	382	19.2	"	384	ND	99.5	25-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1460	50.0	"	1600	ND	91.4	25-150				
3-Perfluoropentyl propanoic acid (FPePA)	7920	250	"	8000	ND	99.0	25-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	9520	250	"	8000	ND	119	25-150				
N-MeFOSE	3400	200	"	4000	ND	85.0	25-150				
N-MeFOSA	397	20.0	"	400	ND	99.3	25-150				
N-EtFOSE	4110	200	"	4000	ND	103	25-150				
N-EtFOSA	355	20.0	"	400	ND	88.8	25-150				
Surrogate: M3PFBS	271		"	233		116	25-150				
Surrogate: M5PFHxA	271		"	250		108	25-150				
Surrogate: M4PFHpA	213		"	250		85.1	25-150				
Surrogate: M3PFHxS	239		"	237		101	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	277		"	250		111	25-150				
Surrogate: M6PFDA	135		"	125		108	25-150				
Surrogate: M7PFUdA	97.9		"	125		78.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	64.0		"	125		51.2	25-150				
Surrogate: M2PFTeDA	34.4		"	125		27.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	762		"	1000		76.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	255		"	240		107	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	501		"	500		100	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	293		"	250		117	10-150				
Surrogate: d3-N-MeFOSAA	412		"	500		82.3	25-150				
Surrogate: d5-N-EtFOSAA	441		"	500		88.2	25-150				
Surrogate: M2-6:2 FTS	479		"	476		101	25-200				
Surrogate: M2-8:2 FTS	498		"	480		104	25-200				
Surrogate: M9PFNA	122		"	125		97.3	25-150				
Surrogate: M2-4:2 FTS	660		"	469		141	25-150				
Surrogate: d-N-MeFOSA	133		"	250		53.2	25-150				
Surrogate: d-N-EtFOSA	89.1		"	250		35.6	25-150				
Surrogate: M3HFPO-DA	1020		"	1000		102	25-150				
Surrogate: d9-N-EtFOSE	940		"	2500		37.6	25-150				
Surrogate: d7-N-MeFOSE	1340		"	2500		53.8	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BJ41890 - EPA 1633 Prep

Matrix Spike (BJ41890-MS2)		*Source sample: 24J1420-08 (MW-63)					Prepared: 10/28/2024 Analyzed: 10/29/2024				
Perfluorohexanesulfonic acid (PFHxS)	11900	91.5	ng/L	366	11500	134	25-150	Low Bias			
Perfluorooctanoic acid (PFOA)	17400	100	"	400	17700	NR	25-150				
Surrogate: M3PFBS	217		"	233		92.9	25-150				
Surrogate: M5PFHxA	240		"	250		96.1	25-150				
Surrogate: M4PFHpA	231		"	250		92.3	25-150				
Surrogate: M3PFHxS	199		"	237		84.0	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	254		"	250		102	25-150				
Surrogate: M6PFDA	128		"	125		102	25-150				
Surrogate: M7PFUdA	91.0		"	125		72.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	61.3		"	125		49.0	25-150				
Surrogate: M2PFTeDA	37.3		"	125		29.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	752		"	1000		75.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	231		"	240		96.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	434		"	500		86.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	248		"	250		99.1	10-150				
Surrogate: d3-N-MeFOSAA	337		"	500		67.4	25-150				
Surrogate: d5-N-EtFOSAA	374		"	500		74.9	25-150				
Surrogate: M2-6:2 FTS	406		"	476		85.4	25-200				
Surrogate: M2-8:2 FTS	362		"	480		75.4	25-200				
Surrogate: M9PFNA	106		"	125		84.8	25-150				
Surrogate: M2-4:2 FTS	517		"	469		110	25-150				
Surrogate: d-N-MeFOSA	125		"	250		50.1	25-150				
Surrogate: d-N-EtFOSA	55.0		"	250		22.0	25-150				
Surrogate: M3HFPO-DA	918		"	1000		91.8	25-150				
Surrogate: d9-N-EtFOSE	791		"	2500		31.6	25-150				
Surrogate: d7-N-MeFOSE	1220		"	2500		48.9	25-150				

Matrix Spike Dup (BJ41890-MSD1)		*Source sample: 24J1420-08 (MW-63)					Prepared: 10/28/2024 Analyzed: 10/29/2024				
Perfluorobutanesulfonic acid (PFBS)	658	17.7	ng/L	354	318	95.9	25-150	High Bias	3.42	35	
Perfluorohexanoic acid (PFHxA)	1970	20.0	"	400	1550	104	25-150		3.77	35	
Perfluoroheptanoic acid (PFHpA)	1120	20.0	"	400	594	132	25-150		0.177	35	
Perfluorooctanesulfonic acid (PFOS)	5280	18.6	"	372	4170	299	25-150		2.75	35	
Perfluorononanoic acid (PFNA)	430	20.0	"	400	62.2	91.9	25-150		4.66	35	
Perfluorodecanoic acid (PFDA)	315	20.0	"	400	ND	78.7	25-150		2.22	35	
Perfluoroundecanoic acid (PFUnA)	394	20.0	"	400	ND	98.5	25-150		14.2	35	
Perfluorododecanoic acid (PFDoA)	347	20.0	"	400	ND	86.7	25-150		11.2	35	
Perfluorotridecanoic acid (PFTTrDA)	512	20.0	"	400	ND	128	25-150		9.10	35	
Perfluorotetradecanoic acid (PFTA)	426	20.0	"	400	ND	107	25-150		4.54	35	
N-MeFOSAA	408	20.0	"	400	ND	102	25-150		2.78	35	
N-EtFOSAA	382	20.0	"	400	ND	95.5	25-150		7.64	35	
Perfluoropentanoic acid (PFPeA)	1360	40.0	"	800	513	106	25-150		4.39	35	
Perfluoro-1-octanesulfonamide (FOSA)	323	20.0	"	400	ND	80.7	25-150		3.24	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	1070	19.1	"	382	500	150	25-150		13.8	35	
Perfluoro-1-decanesulfonic acid (PFDS)	384	19.3	"	386	ND	99.5	25-150		35.5	35	Non-dir.
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	2010	76.0	"	1520	525	97.9	25-150		9.73	35	



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41890 - EPA 1633 Prep											
Matrix Spike Dup (BJ41890-MSD1)		*Source sample: 24J1420-08 (MW-63)					Prepared: 10/28/2024 Analyzed: 10/29/2024				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1440	76.8	ng/L	1540	ND	93.9	25-150		2.40	35	
Perfluoro-n-butanoic acid (PFBA)	1830	80.0	"	1600	178	103	25-150		1.30	35	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	770	35.6	"	712	ND	108	25-150		3.63	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1040	40.0	"	800	ND	130	25-150		44.5	30	Non-dir.
Perfluoro-4-oxapentanoic acid (PFMPA)	858	40.0	"	800	ND	107	25-150		6.48	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	790	40.0	"	800	ND	98.7	25-150		1.72	30	
Perfluoro-1-pentanesulfonate (PFPeS)	1150	18.8	"	376	789	96.5	25-150		2.07	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1350	75.0	"	1500	ND	89.9	25-150		5.62	30	
HFPO-DA (Gen-X)	810	80.0	"	800	ND	101	25-150		2.01	30	
11CL-PF3OUdS	743	75.6	"	756	ND	98.3	25-150		34.3	30	Non-dir.
9CL-PF3ONS	924	74.8	"	748	ND	123	25-150		13.9	30	
ADONA	831	75.6	"	756	ND	110	25-150		9.33	30	
Perfluorododecanesulfonic acid (PFDoS)	292	19.4	"	388	ND	75.4	25-150		72.3	30	Non-dir.
Perfluoro-1-nonanesulfonic acid (PFNS)	434	19.2	"	384	ND	113	25-150		12.7	30	
3-Perfluoropropyl propanoic acid (FPrPA)	1550	50.0	"	1600	ND	96.8	25-150		5.73	30	
3-Perfluoropentyl propanoic acid (FPePA)	8200	250	"	8000	ND	102	25-150		3.51	30	
3-Perfluoroheptyl propanoic acid (FHpPA)	9630	250	"	8000	ND	120	25-150		1.14	30	
N-MeFOSE	3550	200	"	4000	ND	88.7	25-150		4.31	30	
N-MeFOSA	395	20.0	"	400	ND	98.8	25-150		0.501	30	
N-EtFOSE	3700	200	"	4000	ND	92.5	25-150		10.5	30	
N-EtFOSA	326	20.0	"	400	ND	81.4	25-150		8.70	30	
Surrogate: M3PFBS	245		"	233		105	25-150				
Surrogate: M5PFHxA	254		"	250		102	25-150				
Surrogate: M4PFHpA	215		"	250		85.8	25-150				
Surrogate: M3PFHxS	214		"	237		90.5	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	320		"	250		128	25-150				
Surrogate: M6PFDA	127		"	125		101	25-150				
Surrogate: M7PFUdA	108		"	125		86.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	87.0		"	125		69.6	25-150				
Surrogate: M2PFTeDA	67.3		"	125		53.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	878		"	1000		87.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	221		"	240		92.1	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	493		"	500		98.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	280		"	250		112	10-150				
Surrogate: d3-N-MeFOSAA	420		"	500		84.0	25-150				
Surrogate: d5-N-EtFOSAA	494		"	500		98.8	25-150				
Surrogate: M2-6:2 FTS	404		"	476		84.9	25-200				
Surrogate: M2-8:2 FTS	479		"	480		99.8	25-200				
Surrogate: M9PFNA	109		"	125		86.9	25-150				
Surrogate: M2-4:2 FTS	563		"	469		120	25-150				
Surrogate: d-N-MeFOSA	144		"	250		57.6	25-150				
Surrogate: d-N-EtFOSA	113		"	250		45.3	25-150				
Surrogate: M3HFPO-DA	900		"	1000		90.0	25-150				
Surrogate: d9-N-EtFOSE	1550		"	2500		62.0	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41890 - EPA 1633 Prep

Matrix Spike Dup (BJ41890-MSD1) *Source sample: 24J1420-08 (MW-63) Prepared: 10/28/2024 Analyzed: 10/29/2024

Surrogate: d7-N-MeFOSE 1810 ng/L 2500 72.4 25-150

Matrix Spike Dup (BJ41890-MSD2) *Source sample: 24J1420-08 (MW-63) Prepared: 10/28/2024 Analyzed: 10/29/2024

Perfluorohexanesulfonic acid (PFHxS) 11200 91.5 ng/L 366 11500 NR 25-150 Low Bias 6.70 35

Perfluorooctanoic acid (PFOA) 16500 100 " 400 17700 NR 25-150 Low Bias 5.82 35

Surrogate: M3PFBS 193 " 233 83.0 25-150

Surrogate: M5PFHxA 215 " 250 86.1 25-150

Surrogate: M4PFHpA 180 " 250 71.9 25-150

Surrogate: M3PFHxS 204 " 237 85.9 25-150

Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA) 268 " 250 107 25-150

Surrogate: M6PFDA 160 " 125 128 25-150

Surrogate: M7PFUdA 92.7 " 125 74.1 25-150

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA) 75.3 " 125 60.2 25-150

Surrogate: M2PFTeDA 72.7 " 125 58.1 10-150

Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA) 828 " 1000 82.8 25-150

Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS) 203 " 240 84.6 25-150

Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA) 427 " 500 85.5 25-150

Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA) 211 " 250 84.6 10-150

Surrogate: d3-N-MeFOSAA 359 " 500 71.8 25-150

Surrogate: d5-N-EtFOSAA 417 " 500 83.4 25-150

Surrogate: M2-6:2 FTS 349 " 476 73.3 25-200

Surrogate: M2-8:2 FTS 356 " 480 74.2 25-200

Surrogate: M9PFNA 117 " 125 93.8 25-150

Surrogate: M2-4:2 FTS 484 " 469 103 25-150

Surrogate: d-N-MeFOSA 156 " 250 62.2 25-150

Surrogate: d-N-EtFOSA 135 " 250 54.1 25-150

Surrogate: M3HFPO-DA 762 " 1000 76.2 25-150

Surrogate: d9-N-EtFOSE 1350 " 2500 53.9 25-150

Surrogate: d7-N-MeFOSE 1670 " 2500 66.8 25-150



Gas Chromatography/Flame Ionization Detector - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41757 - Preparation for GC Analysis

Blank (BJ41757-BLK1)								Prepared & Analyzed: 10/26/2024			
Ethylene Glycol	ND	10.0	mg/L								
Propylene Glycol	ND	10.0	"								
Surrogate: 1,4-Butanediol	ND		"				30-130				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24J1420-02	FMW-25	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1420-05	MW-43	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1420-07	MW-8	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1420-10	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1420-11	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-L	The LCS recovery for this PFAS compound was below control limits.
PF-CCV-H	The CCV recovery for this PFAS compound was above control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.



If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK Project Number
2451420

YORK Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK

Page 1 of 1

Report To: Company: WSP Address: 500 Summit Lake Dr Vernon, NJ 07061 Phone: 914 329 1392 Contact: John Benvegna E-mail: John.Benvegna@wsp.com		Invoice To: Company: Address: Phone: Contact: E-mail:		YOUR Project Name / Number Westchester County Airport PO Number 31402218-008		Samples Collected From NY ☒ CT ☐ PA ☐ NJ ☐ Analyses Requested		Turn-Around Time RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day RUSH - Five Day Standard (6-9 Day) PFAS Standard 7-10 Day	

Sample Identification	Date	Time	Matrix Codes		Preservative (please list number of containers)								Other:	G/C	Grab or Comp.	Report Type (circle) QA Report Summary (Results Only) NY ASP B Package NJ Reduced NJ DKQP NJ Full CT RCP EDD Type (circle) EQUIS (standard) NYSDEC EQUIS NJDEP SRP Haz Site Standard Excel CMDP Other: Regulatory Comparative Compared to the following Regulation(s): (please fill in)	Field Filtered	Lab Filtered
			S - soil/solid/sludge GW - groundwater DW - drinking water SW - surface water WW - wastewater O - Oil Other	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO ₃ (nitric acid)	H ₂ SO ₄ (sulfuric acid)	NaOH (sodium hydroxide)	Na ₂ SO ₃ (sodium thio.)	Trizma						
DW-2	10/21/24	1030	GW	6W	2													
FMW-25		1110			2													
MW-57		1230			2													
FMW-26		1200			2													
MW-43		1300			2													
MW-44		1305			2													
MW-6		1415			2													
MW-63		1500			2													
MW-63 matrix spike		1500			2													
MW-63 matrix spike duplicate		1500			2													
Field Duplicate					4													
Field Blank		1515	DI		3													
Trip Blank					3													

Comments:		Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N	
		Custody Seals: Y / N Containers Intact: Y / N COC Labels Agree: Y / N Preservation Confirmed: Y / N	
		COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N	
		Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N	
1. Samples Relinquished by / Company WSP 10/21/24 1530 4:30		1. Samples Relinquished by / Company 10/22/24 1525	
2. Samples Received by / Company WSP 10/22/24 1525 4:30		2. Samples Received by / Company 10/22/24 1525	
3. Samples Relinquished by / Company WSP 10/22/24 1525 4:30		3. Samples Relinquished by / Company 10/22/24 1525	
4. Samples Received by / Company WSP 10/22/24 1525 4:30		4. Samples Received by / Company 10/22/24 1525	



Technical Report

prepared for:

WSP USA, Inc. (White Plains, NY)

500 Summit Lake Drive, Suite 450

Valhalla NY, 10595

Attention: John Benvegna

Report Date: 11/04/2024

Client Project ID: Westchester County Airport

York Project (SDG) No.: 24J1493

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

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STRATFORD, CT 06615
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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/04/2024
Client Project ID: Westchester County Airport
York Project (SDG) No.: 24J1493

WSP USA, Inc. (White Plains, NY)
500 Summit Lake Drive, Suite 450
Valhalla NY, 10595
Attention: John Benvegna

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 23, 2024 and listed below. The project was identified as your project: **Westchester County Airport**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24J1493-01	XDDMW-10	Ground Water	10/22/2024	10/23/2024
24J1493-02	XDDMW-11	Ground Water	10/22/2024	10/23/2024
24J1493-03	FMW-37	Ground Water	10/22/2024	10/23/2024
24J1493-04	MW-60	Ground Water	10/22/2024	10/23/2024
24J1493-05	MW-51	Ground Water	10/22/2024	10/23/2024
24J1493-06	MW-64	Ground Water	10/22/2024	10/23/2024
24J1493-07	Field Blank	Water	10/22/2024	10/23/2024
24J1493-08	Trip Blank	Water	10/22/2024	10/23/2024

General Notes for York Project (SDG) No.: 24J1493

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 11/04/2024





Sample Information

Client Sample ID: XDDMW-10

York Sample ID: 24J1493-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24J1493

Westchester County Airport

Ground Water

October 22, 2024 10:30 am

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
75-34-3	1,1-Dichloroethane	1.50	CCVE, QL-02	ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
563-58-6	1,1-Dichloropropylene	ND	QL-02	ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
107-06-2	1,2-Dichloroethane	ND	CCVE	ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO



Sample Information

Client Sample ID: XDDMW-10

York Sample ID: 24J1493-01

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 10:30 am

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
78-93-3	2-Butanone	ND	CCVE, ICVE, QL-02	ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
67-64-1	Acetone	ND	CAL-E, CCVE	ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
71-43-2	Benzene	ND	CCVE, QL-02	ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
75-00-3	Chloroethane	ND	CCVE	ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
67-66-3	Chloroform	ND	CCVE, QL-02	ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
156-59-2	cis-1,2-Dichloroethylene	2.17	QL-02	ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO



Sample Information

Client Sample ID: XDDMW-10

York Sample ID: 24J1493-01

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 10:30 am

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
108-20-3	Diisopropyl ether (DIPE)	ND	CCVE	ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND	CCVE	ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
79-20-9	Methyl acetate	ND	CCVE	ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
75-09-2	Methylene chloride	ND	CCVE	ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO



Sample Information

Client Sample ID: XDDMW-10

York Sample ID: 24J1493-01

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 10:30 am

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
75-85-4	tert-Amyl alcohol (TAA)	ND	CCVE	ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/24/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 17:16	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND	CCVE	ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 17:16	FO
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/24/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 17:16	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
127-18-4	Tetrachloroethylene	3.23	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:16	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
156-60-5	trans-1,2-Dichloroethylene	ND	QL-02	ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 17:16	FO
75-01-4	Vinyl Chloride	ND	CCVE	ug/L	0.469	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 17:16	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	91.7 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	118 %	S-08		81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %			79-122						



Sample Information

Client Sample ID: XDDMW-11

York Sample ID: 24J1493-02

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 11:00 am

Date Received

10/23/2024

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	2.21		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	10/28/2024 08:34	10/31/2024 12:51	SS
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	80.0 %	36.6-118							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	10.9		ng/L	0.429	1.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	37.8		ng/L	0.320	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	26.3	PF-CCV -H	ng/L	0.649	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	96.2		ng/L	0.621	1.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
335-67-1	Perfluorooctanoic acid (PFOA)	22.1		ng/L	0.384	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	13.9		ng/L	0.749	1.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
375-95-1	Perfluorononanoic acid (PFNA)	11.1		ng/L	0.475	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.685	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.03	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.804	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.676	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.631	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.722	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.941	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	51.5		ng/L	0.210	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.804	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	3.85		ng/L	0.832	1.75	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM



Sample Information

Client Sample ID: XDDMW-11

York Sample ID: 24J1493-02

York Project (SDG) No.
24J1493

Client Project ID
Westchester County Airport

Matrix
Ground Water

Collection Date/Time
October 22, 2024 11:00 am

Date Received
10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.21	1.76	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	10.2		ng/L	0.969	6.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.87	7.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	21.5		ng/L	0.302	7.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.457	3.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 11:41	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.96	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 11:41	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.228	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 11:41	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.338	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 11:41	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	15.2		ng/L	0.694	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.64	6.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.95	7.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.26	6.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.640	6.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
919005-14-4	ADONA	ND		ng/L	0.484	6.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.850	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.786	1.75	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.86	4.57	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.70	22.8	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.65	22.8	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.65	18.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.44	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.65	18.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.64	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:41	AM



Sample Information

Client Sample ID: XDDMW-11

York Sample ID: 24J1493-02

York Project (SDG) No.
24J1493

Client Project ID
Westchester County Airport

Matrix
Ground Water

Collection Date/Time
October 22, 2024 11:00 am

Date Received
10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
M3PFBS	Surrogate: M3PFBS	95.2 %			25-150						
13C5PFHXA	Surrogate: M5PFHxA	123 %			25-150						
13C4PFHPA	Surrogate: M4PFHpA	112 %			25-150						
13C3PFHXS	Surrogate: M3PFHxS	105 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	117 %			25-150						
13C6PFDA	Surrogate: M6PFDA	122 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	102 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	69.3 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	68.8 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	38.7 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	112 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	120 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	111 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	94.0 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	86.3 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	118 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	88.1 %			25-200						
13C9PFNA	Surrogate: M9PFNA	98.7 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	160 %		PFSu-H	25-150						
936109-37-4	Surrogate: d-N-MeFOSA	63.0 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	51.5 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	122 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	67.7 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	80.6 %			25-150						



Sample Information

Client Sample ID: XDDMW-11

York Sample ID: 24J1493-02

York Project (SDG) No.
24J1493

Client Project ID
Westchester County Airport

Matrix
Ground Water

Collection Date/Time
October 22, 2024 11:00 am

Date Received
10/23/2024

Glycols, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 11:55	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 11:55	GXB
Surrogate Recoveries		Result		Acceptance Range						
110-63-4	Surrogate: 1,4-Butanediol									

Sample Information

Client Sample ID: FMW-37

York Sample ID: 24J1493-03

York Project (SDG) No.
24J1493

Client Project ID
Westchester County Airport

Matrix
Ground Water

Collection Date/Time
October 22, 2024 11:30 am

Date Received
10/23/2024

Glycols, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 12:10	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 12:10	GXB
Surrogate Recoveries		Result		Acceptance Range						
110-63-4	Surrogate: 1,4-Butanediol									

Sample Information

Client Sample ID: MW-60

York Sample ID: 24J1493-04

York Project (SDG) No.
24J1493

Client Project ID
Westchester County Airport

Matrix
Ground Water

Collection Date/Time
October 22, 2024 12:50 pm

Date Received
10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	64.0		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM



Sample Information

Client Sample ID: MW-60

York Sample ID: 24J1493-04

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 12:50 pm

Date Received

10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-24-4	Perfluorohexanoic acid (PFHxA)	109		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	72.1	PF-CCV -H	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	345		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
335-67-1	Perfluorooctanoic acid (PFOA)	104		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	244		ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
375-95-1	Perfluorononanoic acid (PFNA)	2450		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
335-76-2	Perfluorodecanoic acid (PFDA)	13.8	J	ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	42.9		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	152		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfon ic acid (6:2 FTS)	103		ng/L	10.6	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	20.5	76.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 11:58	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 11:58	AM



Sample Information

Client Sample ID: MW-60

York Sample ID: 24J1493-04

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 12:50 pm

Date Received

10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 11:58	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 11:58	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	87.3		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 11:58	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 11:58	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 11:58	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 11:58	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 11:58	AM
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 11:58	AM
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 11:58	AM
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 11:58	AM
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 11:58	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	111 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	140 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	120 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	117 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	138 %	25-150								
13C6PFDA	Surrogate: M6PFDA	160 %	PFSu-H	25-150							
13C7PFUNA	Surrogate: M7PFUdA	110 %	25-150								
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	102 %	25-150								



Sample Information

Client Sample ID: MW-60

York Sample ID: 24J1493-04

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 12:50 pm

Date Received

10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C2PFTEDA	Surrogate: M2PFTEDA	71.4 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	3.66 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	124 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	85.0 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	130 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	108 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	110 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	102 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	96.9 %			25-200						
13C9PFNA	Surrogate: M9PFNA	131 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	129 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	93.7 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	72.6 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	123 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	63.9 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	87.2 %			25-150						

Sample Information

Client Sample ID: MW-51

York Sample ID: 24J1493-05

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 2:00 pm

Date Received

10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	7.11		ng/L	0.474	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	28.2		ng/L	0.353	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	22.8	PF-CCV -H	ng/L	0.716	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	93.4		ng/L	0.685	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
335-67-1	Perfluorooctanoic acid (PFOA)	30.2		ng/L	0.423	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM



Sample Information

Client Sample ID: MW-51

York Sample ID: 24J1493-05

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 2:00 pm

Date Received

10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	67.1		ng/L	0.827	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
375-95-1	Perfluorononanoic acid (PFNA)	5.57		ng/L	0.524	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
335-76-2	Perfluorodecanoic acid (PFDA)	1.08	J	ng/L	0.756	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.14	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.887	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.746	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.696	2.02	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.796	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.04	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	32.9		ng/L	0.232	4.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.887	2.02	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	2.32		ng/L	0.917	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.33	1.95	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	33.7		ng/L	1.07	7.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	7.35	J	ng/L	2.07	7.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	14.8		ng/L	0.333	8.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.504	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 12:14	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.16	4.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 12:14	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.252	4.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 12:14	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.373	4.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 12:14	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	6.33		ng/L	0.766	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.80	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.26	8.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM



Sample Information

Client Sample ID: MW-51

York Sample ID: 24J1493-05

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 2:00 pm

Date Received

10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.39	7.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.706	7.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
919005-14-4	ADONA	ND		ng/L	0.534	7.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.937	1.96	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:14	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.867	1.94	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:14	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.05	5.04	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:14	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.39	25.2	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:14	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.55	25.2	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:14	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.02	20.2	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:14	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.59	2.02	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:14	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.02	20.2	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:14	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.81	2.02	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:14	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	118 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	136 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	110 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	120 %	25-150
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	131 %	25-150
13C6PFDA	Surrogate: M6PFDA	143 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	90.7 %	25-150
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	42.7 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	24.0 %	10-150
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	61.0 %	25-150
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	112 %	25-150
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	122 %	25-150
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	115 %	10-150
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	90.2 %	25-150



Sample Information

Client Sample ID: MW-51

York Sample ID: 24J1493-05

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 2:00 pm

Date Received

10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	87.5 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	147 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	116 %			25-200						
13C9PFNA	Surrogate: M9PFNA	113 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	184 %		PFSu-H	25-150						
936109-37-4	Surrogate: d-N-MeFOSA	53.8 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	32.0 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	120 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	32.7 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	46.1 %			25-150						

Sample Information

Client Sample ID: MW-64

York Sample ID: 24J1493-06

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 2:00 pm

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
75-34-3	1,1-Dichloroethane	ND		CCVE, ug/L QL-02	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
563-58-6	1,1-Dichloropropylene	ND		QL-02 ug/L	0.314	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/24/2024 08:00	10/24/2024 17:42	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO



Sample Information

Client Sample ID: MW-64

York Sample ID: 24J1493-06

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 2:00 pm

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
107-06-2	1,2-Dichloroethane	0.630	CCVE	ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
78-93-3	2-Butanone	ND	CCVE, ICVE, QL-02	ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
67-64-1	Acetone	ND	CAL-E, CCVE	ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
107-02-8	Acrolein	3.13	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
71-43-2	Benzene	ND	CCVE, QL-02	ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO



Sample Information

Client Sample ID: MW-64

York Sample ID: 24J1493-06

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 2:00 pm

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
75-00-3	Chloroethane	ND	CCVE	ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
67-66-3	Chloroform	ND	CCVE, QL-02	ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
156-59-2	cis-1,2-Dichloroethylene	0.360	QL-02	ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
110-82-7	Cyclohexane	5.84		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
108-20-3	Diisopropyl ether (DIPE)	ND	CCVE	ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND	CCVE	ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 17:42	FO



Sample Information

Client Sample ID: MW-64

York Sample ID: 24J1493-06

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 2:00 pm

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND	CCVE	ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/24/2024 08:00	10/24/2024 17:42	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	0.520		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
75-09-2	Methylene chloride	ND	CCVE	ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
105-05-5	* p-Diethylbenzene	0.460		ug/L	0.341	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
75-85-4	tert-Amyl alcohol (TAA)	ND	CCVE	ug/L	4.16	8.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND	CCVE	ug/L	0.511	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
98-06-6	tert-Butylbenzene	0.410		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	0.485	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
156-60-5	trans-1,2-Dichloroethylene	ND	QL-02	ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO



Sample Information

Client Sample ID: MW-64

York Sample ID: 24J1493-06

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 2:00 pm

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/24/2024 08:00	10/24/2024 17:42	FO
75-01-4	Vinyl Chloride	2.54	CCVE	ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/24/2024 08:00	10/24/2024 17:42	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	94.4 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	115 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	112 %	79-122								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	108		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	454		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	332	PF-CCV -H	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2300		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
335-67-1	Perfluorooctanoic acid (PFOA)	1280		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	7570		ng/L	82.0	186	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:46	AM
375-95-1	Perfluorononanoic acid (PFNA)	76.5		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
335-76-2	Perfluorodecanoic acid (PFDA)	11.6	J	ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	39.0		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM



Sample Information

Client Sample ID: MW-64

York Sample ID: 24J1493-06

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 2:00 pm

Date Received

10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	580		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	123		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	163		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	733		ng/L	10.6	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	208		ng/L	20.5	76.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	169		ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 12:30	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 12:30	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 12:30	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	10/30/2024 10:46	10/31/2024 12:30	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	176		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:30	AM



Sample Information

Client Sample ID: MW-64

York Sample ID: 24J1493-06

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 22, 2024 2:00 pm

Date Received

10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	10/30/2024 10:46	10/31/2024 12:30	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:30	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:30	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:30	AM
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:30	AM
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:30	AM
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:30	AM
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	10/30/2024 10:46	10/31/2024 12:30	AM

Surrogate Recoveries		Result	Acceptance Range	
M3PFBS	Surrogate: M3PFBS	120 %	25-150	
M3PFBS	Surrogate: M3PFBS	102 %	25-150	
13C5PFHXA	Surrogate: M5PFHxA	133 %	25-150	
13C5PFHXA	Surrogate: M5PFHxA	124 %	25-150	
13C4PFHFA	Surrogate: M4PFHFA	98.9 %	25-150	
13C4PFHFA	Surrogate: M4PFHFA	91.1 %	25-150	
13C3PFHXS	Surrogate: M3PFHxS	120 %	25-150	
13C3PFHXS	Surrogate: M3PFHxS	110 %	25-150	
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	151 %	PFSu-H	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	121 %		25-150
13C6PFDA	Surrogate: M6PFDA	153 %	PFSu-H	25-150
13C6PFDA	Surrogate: M6PFDA	130 %		25-150
13C7PFUNA	Surrogate: M7PFUdA	131 %		25-150
13C7PFUNA	Surrogate: M7PFUdA	112 %		25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	89.8 %		25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	85.3 %		25-150
13C2PFTEDA	Surrogate: M2PFTeDA	75.9 %		10-150
13C2PFTEDA	Surrogate: M2PFTeDA	69.9 %		10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	27.6 %		25-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.29 %	PFSu-L	25-150



Sample Information

Client Sample ID: MW-64

York Sample ID: 24J1493-06

York Project (SDG) No.
24J1493

Client Project ID
Westchester County Airport

Matrix
Ground Water

Collection Date/Time
October 22, 2024 2:00 pm

Date Received
10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	135 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	115 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	112 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	75.5 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	134 %			10-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	117 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	128 %			25-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	96.1 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	134 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	102 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	125 %			25-200						
M2-6:2FTS	Surrogate: M2-6:2 FTS	92.8 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	114 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	89.7 %			25-200						
13C9PFNA	Surrogate: M9PFNA	117 %			25-150						
13C9PFNA	Surrogate: M9PFNA	111 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	154 %	PFSu-H		25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	118 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	78.0 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	77.9 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	62.0 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	64.1 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	121 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	118 %			25-150						
D9-NETPFOSA1	Surrogate: d9-N-EtFOSE	85.2 %			25-150						
D9-NETPFOSA1	Surrogate: d9-N-EtFOSE	74.2 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	121 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	98.8 %			25-150						

Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1493-07

York Project (SDG) No.
24J1493

Client Project ID
Westchester County Airport

Matrix
Water

Collection Date/Time
October 22, 2024 3:15 pm

Date Received
10/23/2024



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1493-07

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 22, 2024 3:15 pm

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
75-34-3	1,1-Dichloroethane	ND	CCVE, QL-02	ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
563-58-6	1,1-Dichloropropylene	ND	QL-02	ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
107-06-2	1,2-Dichloroethane	ND	CCVE	ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1493-07

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 22, 2024 3:15 pm

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
78-93-3	2-Butanone	ND	CCVE, ICVE, QL-02	ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
67-64-1	Acetone	ND	CAL-E, CCVE	ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
71-43-2	Benzene	ND	CCVE, QL-02	ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
75-27-4	Bromodichloromethane	0.380		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
75-00-3	Chloroethane	ND	CCVE	ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
67-66-3	Chloroform	3.40	CCVE, QL-02	ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
156-59-2	cis-1,2-Dichloroethylene	ND	QL-02	ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1493-07

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 22, 2024 3:15 pm

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
108-20-3	Diisopropyl ether (DIPE)	ND	CCVE	ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND	CCVE	ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
79-20-9	Methyl acetate	ND	CCVE	ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
75-09-2	Methylene chloride	ND	CCVE	ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO



York Sample ID: 24J1493-07

Date Received
10/23/2024

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT	10/24/2024 18:09	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT	10/24/2024 18:09	FO
75-85-4	tert-Amyl alcohol (TAA)	ND	CCVE	ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/24/2024 08:00 NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT005,PADEP-68-04	10/24/2024 18:09	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND	CCVE	ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00 NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT005,PADEP-68-04	10/24/2024 18:09	FO
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/24/2024 08:00 NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT005,PADEP-68-04	10/24/2024 18:09	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT	10/24/2024 18:09	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT	10/24/2024 18:09	FO
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 18:09	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT	10/24/2024 18:09	FO
156-60-5	trans-1,2-Dichloroethylene	ND	QL-02	ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT	10/24/2024 18:09	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT	10/24/2024 18:09	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT	10/24/2024 18:09	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT	10/24/2024 18:09	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT	10/24/2024 18:09	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT005,PADEP-68-04	10/24/2024 18:09	FO
75-01-4	Vinyl Chloride	ND	CCVE	ug/L	0.469	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT	10/24/2024 18:09	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/24/2024 08:00 CTDOH-PH-0723,NELAC-NY 10854,NELAC-NY 12058,NJDEP-CT	10/24/2024 18:09	FO
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.1 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	116 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %			79-122						

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE www.YORKLAB.com		STRATFORD, CT 06615 (203) 325-1371		■		132-02 89th AVENUE FAX (203) 357-0166		RICHMOND HILL, NY 11418 ClientServices@		

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Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1493-07

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 22, 2024 3:15 pm

Date Received

10/23/2024

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	10/28/2024 08:34	10/30/2024 13:08	SS
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	80.0 %		36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.436	1.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.325	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.659	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.631	1.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.390	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.761	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.482	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.696	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.05	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.816	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.686	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.640	1.86	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.733	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.955	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.213	3.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.816	1.86	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.844	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1493-07

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 22, 2024 3:15 pm

Date Received

10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.22	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	0.983	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.90	7.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.306	7.42	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.464	3.30	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 12:45	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	1.99	3.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 12:45	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.232	3.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 12:45	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.343	3.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 12:45	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.705	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.66	6.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.00	7.42	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.28	7.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.649	6.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
919005-14-4	ADONA	ND		ng/L	0.492	7.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.863	1.80	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 12:45	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.798	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 12:45	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPtPA)	ND		ng/L	1.88	4.64	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 12:45	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.80	23.2	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 12:45	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.78	23.2	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 12:45	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.70	18.6	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 12:45	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.47	1.86	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 12:45	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.70	18.6	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 12:45	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.67	1.86	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 12:45	AM

Surrogate Recoveries

Result

Acceptance Range

120 RESEARCH DRIVE

www.YORKLAB.com

STRATFORD, CT 06615

(203) 325-1371

132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@

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Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1493-07

York Project (SDG) No.
24J1493

Client Project ID
Westchester County Airport

Matrix
Water

Collection Date/Time
October 22, 2024 3:15 pm

Date Received
10/23/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
M3PFBS	Surrogate: M3PFBS	83.9 %			25-150						
13C5PFHXA	Surrogate: M5PFHxA	97.0 %			25-150						
13C4PFHPA	Surrogate: M4PFHpA	59.7 %			25-150						
13C3PFHXS	Surrogate: M3PFHxS	94.5 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	119 %			25-150						
13C6PFDA	Surrogate: M6PFDA	122 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	99.7 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	69.3 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	44.2 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	7.75 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	117 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	58.4 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	104 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	86.8 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	93.4 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	160 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	127 %			25-200						
13C9PFNA	Surrogate: M9PFNA	93.6 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	131 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	72.1 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	47.1 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	83.9 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	54.2 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	72.5 %			25-150						

Glycols, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 12:25	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 12:25	GXB
	Surrogate Recoveries	Result		Acceptance Range						
110-63-4	Surrogate: 1,4-Butanediol			30-130						



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1493-08

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 22, 2024 3:15 pm

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
75-34-3	1,1-Dichloroethane	ND	CCVE, QL-02	ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
563-58-6	1,1-Dichloropropylene	ND	QL-02	ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
107-06-2	1,2-Dichloroethane	ND	CCVE	ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1493-08

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 22, 2024 3:15 pm

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
78-93-3	2-Butanone	ND	CCVE, ICVE, QL-02	ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
67-64-1	Acetone	ND	CAL-E, CCVE	ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
71-43-2	Benzene	ND	CCVE, QL-02	ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
75-27-4	Bromodichloromethane	0.370		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
75-00-3	Chloroethane	ND	CCVE	ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
67-66-3	Chloroform	3.51	CCVE, QL-02	ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
156-59-2	cis-1,2-Dichloroethylene	ND	QL-02	ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1493-08

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 22, 2024 3:15 pm

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
108-20-3	Diisopropyl ether (DIPE)	ND	CCVE	ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND	CCVE	ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
79-20-9	Methyl acetate	ND	CCVE	ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
75-09-2	Methylene chloride	ND	CCVE	ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1493-08

York Project (SDG) No.

24J1493

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 22, 2024 3:15 pm

Date Received

10/23/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
75-85-4	tert-Amyl alcohol (TAA)	ND	CCVE	ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND	CCVE	ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
156-60-5	trans-1,2-Dichloroethylene	ND	QL-02	ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
75-01-4	Vinyl Chloride	ND	CCVE	ug/L	0.469	0.500	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/24/2024 08:00	10/24/2024 19:01	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.3 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	116 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %	79-122								



Analytical Batch Summary

Batch ID: BJ41648 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24J1493-01	XDDMW-10	10/24/24
24J1493-06	MW-64	10/24/24
24J1493-07	Field Blank	10/24/24
24J1493-08	Trip Blank	10/24/24
BJ41648-BLK1	Blank	10/24/24
BJ41648-BS1	LCS	10/24/24

Batch ID: BJ41757 **Preparation Method:** Preparation for GC Analysis **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
24J1493-02	XDDMW-11	10/26/24
24J1493-03	FMW-37	10/26/24
24J1493-07	Field Blank	10/26/24
BJ41757-BLK1	Blank	10/26/24

Batch ID: BJ41856 **Preparation Method:** EPA 3535A **Prepared By:** moa

YORK Sample ID	Client Sample ID	Preparation Date
24J1493-02	XDDMW-11	10/28/24
24J1493-07	Field Blank	10/28/24
BJ41856-BLK1	Blank	10/28/24
BJ41856-BS1	LCS	10/28/24

Batch ID: BJ42083 **Preparation Method:** EPA 1633 Prep **Prepared By:** SAB

YORK Sample ID	Client Sample ID	Preparation Date
24J1493-02	XDDMW-11	10/30/24
24J1493-04	MW-60	10/30/24
24J1493-05	MW-51	10/30/24
24J1493-06	MW-64	10/30/24
24J1493-06RE1	MW-64	10/30/24
24J1493-07	Field Blank	10/30/24
BJ42083-BLK1	Blank	10/30/24
BJ42083-BS1	LCS	10/30/24
BJ42083-BS2	LCS	10/30/24

Batch ID: BK40044 **Preparation Method:** EPA 1633 Prep **Prepared By:** MPR

YORK Sample ID	Client Sample ID	Preparation Date
24J1493-07RE1	Field Blank	11/01/24
BK40044-BLK1	Blank	11/01/24
BK40044-BS1	LCS	11/01/24
BK40044-BS2	LCS	11/01/24





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41648 - EPA 5030B

Blank (BJ41648-BLK1)

Prepared & Analyzed: 10/24/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4,5-Tetramethylbenzene	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41648 - EPA 5030B

Blank (BJ41648-BLK1)

Prepared & Analyzed: 10/24/2024

Dichlorodifluoromethane	ND	0.500	ug/L
Diisopropyl ether (DIPE)	ND	0.800	"
Ethyl Benzene	ND	0.500	"
Ethyl tert-butyl ether (ETBE)	ND	0.800	"
Hexachlorobutadiene	ND	0.500	"
Iodomethane	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl acetate	ND	0.500	"
Methyl Methacrylate	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylcyclohexane	ND	0.500	"
Methylene chloride	ND	2.00	"
Naphthalene	ND	2.00	"
n-Butylbenzene	ND	0.500	"
n-Propylbenzene	ND	0.500	"
o-Xylene	ND	0.500	"
p- & m- Xylenes	ND	1.00	"
p-Diethylbenzene	ND	0.500	"
p-Ethyltoluene	ND	0.500	"
p-Isopropyltoluene	ND	0.500	"
sec-Butylbenzene	ND	0.500	"
Styrene	ND	0.500	"
tert-Amyl alcohol (TAA)	ND	8.00	"
tert-Amyl methyl ether (TAME)	ND	0.800	"
tert-Butyl alcohol (TBA)	ND	1.00	"
tert-Butylbenzene	ND	0.500	"
Tetrachloroethylene	ND	0.500	"
Tetrahydrofuran	ND	0.500	"
Toluene	ND	0.500	"
trans-1,2-Dichloroethylene	ND	0.500	"
trans-1,3-Dichloropropylene	ND	0.500	"
trans-1,4-dichloro-2-butene	ND	0.500	"
Trichloroethylene	ND	0.500	"
Trichlorofluoromethane	ND	0.500	"
Vinyl acetate	ND	0.500	"
Vinyl Chloride	ND	0.500	"
Xylenes, Total	ND	1.50	"

Surrogate: SURR: 1,2-Dichloroethane-d4	10.5	"	10.0	105	70-130
Surrogate: SURR: Toluene-d8	11.4	"	10.0	114	81-117
Surrogate: SURR: p-Bromofluorobenzene	10.2	"	10.0	102	79-122



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41648 - EPA 5030B											
LCS (BJ41648-BS1)						Prepared & Analyzed: 10/24/2024					
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126				
1,1,1-Trichloroethane	8.12		"	10.0		81.2	78-130				
1,1,2,2-Tetrachloroethane	11.6		"	10.0		116	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.88		"	10.0		78.8	70-130				
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123				
1,1-Dichloroethane	7.59		"	10.0		75.9	82-129	Low Bias			
1,1-Dichloroethylene	8.20		"	10.0		82.0	70-130				
1,1-Dichloropropylene	8.09		"	10.0		80.9	83-133	Low Bias			
1,2,3-Trichlorobenzene	11.3		"	10.0		113	76-130				
1,2,3-Trichloropropane	11.2		"	10.0		112	77-128				
1,2,4,5-Tetramethylbenzene	11.0		"	10.0		110	85-140				
1,2,4-Trichlorobenzene	11.5		"	10.0		115	76-130				
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132				
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	45-147				
1,2-Dibromoethane	10.3		"	10.0		103	83-124				
1,2-Dichlorobenzene	10.8		"	10.0		108	79-123				
1,2-Dichloroethane	7.83		"	10.0		78.3	73-130				
1,2-Dichloropropane	10.1		"	10.0		101	78-126				
1,3,5-Trimethylbenzene	11.1		"	10.0		111	80-131				
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122				
1,3-Dichloropropane	10.2		"	10.0		102	81-125				
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124				
1,4-Dioxane	396		"	210		188	40-160	High Bias			
2,2-Dichloropropane	8.15		"	10.0		81.5	56-150				
2-Butanone	3.62		"	10.0		36.2	49-152	Low Bias			
2-Chlorotoluene	10.8		"	10.0		108	79-130				
2-Hexanone	8.62		"	10.0		86.2	51-146				
4-Chlorotoluene	10.9		"	10.0		109	79-128				
4-Methyl-2-pentanone	10.7		"	10.0		107	57-145				
Acetone	15.0		"	10.0		150	40-150				
Acrolein	11.4		"	10.0		114	10-153				
Acrylonitrile	9.93		"	10.0		99.3	51-150				
Benzene	8.06		"	10.0		80.6	85-126	Low Bias			
Bromobenzene	10.6		"	10.0		106	78-129				
Bromochloromethane	8.51		"	10.0		85.1	77-128				
Bromodichloromethane	9.94		"	10.0		99.4	79-128				
Bromoform	9.69		"	10.0		96.9	78-130				
Bromomethane	8.79		"	10.0		87.9	43-160				
Carbon disulfide	7.68		"	10.0		76.8	68-146				
Carbon tetrachloride	8.25		"	10.0		82.5	77-130				
Chlorobenzene	9.82		"	10.0		98.2	88-120				
Chloroethane	8.63		"	10.0		86.3	65-136				
Chloroform	7.80		"	10.0		78.0	82-128	Low Bias			
Chloromethane	7.01		"	10.0		70.1	43-155				
cis-1,2-Dichloroethylene	8.00		"	10.0		80.0	83-129	Low Bias			
cis-1,3-Dichloropropylene	9.85		"	10.0		98.5	80-130				
Cyclohexane	7.05		"	10.0		70.5	70-130				
Dibromochloromethane	11.0		"	10.0		110	80-130				
Dibromomethane	9.83		"	10.0		98.3	72-134				
Dichlorodifluoromethane	8.76		"	10.0		87.6	44-144				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41648 - EPA 5030B

LCS (BJ41648-BS1)

Prepared & Analyzed: 10/24/2024

Diisopropyl ether (DIPE)	7.89		ug/L	10.0		78.9	70-130				
Ethyl Benzene	10.2		"	10.0		102	80-130				
Ethyl tert-butyl ether (ETBE)	7.98		"	10.0		79.8	70-130				
Hexachlorobutadiene	11.7		"	10.0		117	67-146				
Iodomethane	6.86		"	10.0		68.6	70-130	Low Bias			
Isopropylbenzene	11.2		"	10.0		112	76-130				
Methyl acetate	8.46		"	10.0		84.6	70-130				
Methyl Methacrylate	11.0		"	10.0		110	72-132				
Methyl tert-butyl ether (MTBE)	8.51		"	10.0		85.1	76-130				
Methyleyclohexane	9.13		"	10.0		91.3	72-130				
Methylene chloride	7.73		"	10.0		77.3	70-130				
Naphthalene	11.0		"	10.0		110	70-147				
n-Butylbenzene	11.2		"	10.0		112	79-132				
n-Propylbenzene	11.3		"	10.0		113	78-133				
o-Xylene	9.88		"	10.0		98.8	78-130				
p- & m- Xylenes	21.2		"	20.0		106	77-130				
p-Diethylbenzene	10.6		"	10.0		106	84-134				
p-Ethyltoluene	11.0		"	10.0		110	88-129				
p-Isopropyltoluene	11.0		"	10.0		110	81-136				
sec-Butylbenzene	11.0		"	10.0		110	79-137				
Styrene	9.64		"	10.0		96.4	70-130				
tert-Amyl alcohol (TAA)	99.1		"	100		99.1	70-130				
tert-Amyl methyl ether (TAME)	8.56		"	10.0		85.6	70-130				
tert-Butyl alcohol (TBA)	42.7		"	50.0		85.4	25-162				
tert-Butylbenzene	10.6		"	10.0		106	77-138				
Tetrachloroethylene	6.03		"	10.0		60.3	82-130	Low Bias			
Tetrahydrofuran	7.41		"	10.0		74.1	36-166				
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	7.81		"	10.0		78.1	80-130	Low Bias			
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-130				
trans-1,4-dichloro-2-butene	12.2		"	10.0		122	63-141				
Trichloroethylene	9.91		"	10.0		99.1	82-128				
Trichlorofluoromethane	8.67		"	10.0		86.7	67-139				
Vinyl acetate	15.3		"	10.0		153	21-90	High Bias			
Vinyl Chloride	8.85		"	10.0		88.5	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	70-130				
Surrogate: SURR: Toluene-d8	11.2		"	10.0		112	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41856 - EPA 3535A

Blank (BJ41856-BLK1)

Prepared: 10/28/2024 Analyzed: 10/30/2024

1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	3.20		"	4.00		80.0	36.6-118				

LCS (BJ41856-BS1)

Prepared: 10/28/2024 Analyzed: 10/30/2024

1,4-Dioxane	3.97	0.300	ug/L	4.00		99.2	50-130				
Surrogate: 1,4-Dioxane-d8	3.04		"	4.00		76.0	36.6-118				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD	
		Limit								Limit	Flag
Batch BJ42083 - EPA 1633 Prep											
Blank (BJ42083-BLK1)											
Prepared: 10/30/2024 Analyzed: 10/31/2024											
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1.92	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.56	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	26.1		"	23.3		112	25-150				
Surrogate: M5PFHxA	34.5		"	25.0		138	25-150				
Surrogate: M4PFHpA	25.1		"	25.0		100	25-150				
Surrogate: M3PFHxS	27.7		"	23.7		117	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	33.6		"	25.0		134	25-150				
Surrogate: M6PFDA	18.5		"	12.5		148	25-150				
Surrogate: M7PFUdA	16.8		"	12.5		135	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ42083 - EPA 1633 Prep

Blank (BJ42083-BLK1)

Prepared: 10/30/2024 Analyzed: 10/31/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.9		ng/L	12.5		103	25-150				
Surrogate: M2PFTeDA	9.76		"	12.5		78.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.18		"	100		3.18	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	29.3		"	23.9		122	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	42.4		"	50.0		84.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	31.7		"	25.0		127	10-150				
Surrogate: d3-N-MeFOSAA	50.2		"	50.0		100	25-150				
Surrogate: d5-N-EtFOSAA	53.8		"	50.0		108	25-150				
Surrogate: M2-6:2 FTS	43.7		"	47.5		91.9	25-200				
Surrogate: M2-8:2 FTS	47.4		"	48.0		98.7	25-200				
Surrogate: M9PFNA	13.0		"	12.5		104	25-150				
Surrogate: M2-4:2 FTS	53.6		"	46.9		114	25-150				
Surrogate: d-N-MeFOSA	20.3		"	25.0		81.4	25-150				
Surrogate: d-N-EtFOSA	17.8		"	25.0		71.1	25-150				
Surrogate: M3HFPO-DA	128		"	100		128	25-150				
Surrogate: d9-N-EtFOSE	155		"	250		62.2	25-150				
Surrogate: d7-N-MeFOSE	180		"	250		72.0	25-150				

LCS (BJ42083-BS1)

Prepared: 10/30/2024 Analyzed: 10/31/2024

Perfluorobutanesulfonic acid (PFBS)	31.2	1.77	ng/L	35.4		88.1	50-150				
Perfluorohexanoic acid (PFHxA)	37.4	2.00	"	40.0		93.5	50-150				
Perfluoroheptanoic acid (PFHpA)	56.2	2.00	"	40.0		141	50-150				
Perfluorohexanesulfonic acid (PFHxS)	34.5	1.83	"	36.6		94.3	50-150				
Perfluorooctanoic acid (PFOA)	30.2	2.00	"	40.0		75.6	50-150				
Perfluorooctanesulfonic acid (PFOS)	33.8	1.86	"	37.2		90.8	50-150				
Perfluorononanoic acid (PFNA)	31.7	2.00	"	40.0		79.1	50-150				
Perfluorodecanoic acid (PFDA)	29.9	2.00	"	40.0		74.8	50-150				
Perfluoroundecanoic acid (PFUnA)	35.7	2.00	"	40.0		89.3	50-150				
Perfluorododecanoic acid (PFDoA)	35.0	2.00	"	40.0		87.4	50-150				
Perfluorotridecanoic acid (PFTriDA)	40.4	2.00	"	40.0		101	50-150				
Perfluorotetradecanoic acid (PFTA)	32.7	2.00	"	40.0		81.7	50-150				
N-MeFOSAA	39.4	2.00	"	40.0		98.6	50-150				
N-EtFOSAA	37.9	2.00	"	40.0		94.7	50-150				
Perfluoropentanoic acid (PFPeA)	77.8	4.00	"	80.0		97.2	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	30.6	2.00	"	40.0		76.4	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	35.3	1.91	"	38.2		92.4	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	31.1	1.93	"	38.6		80.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	141	7.60	"	152		92.9	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	149	7.68	"	154		96.8	50-150				
Perfluoro-n-butanoic acid (PFBA)	127	8.00	"	160		79.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	73.5	3.56	"	71.2		103	50-150				
Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	96.0	4.00	"	80.0		120	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	14.1	4.00	"	80.0		17.7	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	98.3	4.00	"	80.0		123	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	36.2	1.88	"	37.6		96.4	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ42083 - EPA 1633 Prep											
LCS (BJ42083-BS1)						Prepared: 10/30/2024 Analyzed: 10/31/2024					
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	119	7.50	ng/L	150		79.2	50-150				
HFPO-DA (Gen-X)	75.7	8.00	"	80.0		94.6	50-150				
11CL-PF3OUdS	67.0	7.56	"	75.6		88.6	50-150				
9CL-PF3ONS	78.7	7.48	"	74.8		105	50-150				
ADONA	74.3	7.56	"	75.6		98.2	50-150				
Perfluorododecanesulfonic acid (PFDoS)	22.0	1.94	"	38.8		56.7	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	36.1	1.92	"	38.4		94.0	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	91.6	5.00	"	160		57.3	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	765	25.0	"	800		95.6	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	882	25.0	"	800		110	50-150				
N-MeFOSE	346	20.0	"	400		86.6	50-150				
N-MeFOSA	41.0	2.00	"	40.0		103	50-150				
N-EtFOSE	410	20.0	"	400		102	50-150				
N-EtFOSA	39.7	2.00	"	40.0		99.2	50-150				
Surrogate: M3PFBS	27.2		"	23.3		117	25-150				
Surrogate: M5PFHxA	36.3		"	25.0		145	25-150				
Surrogate: M4PFHpA	27.6		"	25.0		111	25-150				
Surrogate: M3PFHxS	29.0		"	23.7		122	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	40.5		"	25.0		162	25-150				
Surrogate: M6PFDA	18.4		"	12.5		147	25-150				
Surrogate: M7PFUdA	15.8		"	12.5		126	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	14.0		"	12.5		112	25-150				
Surrogate: M2PFTeDA	10.2		"	12.5		82.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.40		"	100		4.40	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	35.7		"	23.9		149	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.3		"	50.0		92.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	38.6		"	25.0		154	10-150				
Surrogate: d3-N-MeFOSAA	59.5		"	50.0		119	25-150				
Surrogate: d5-N-EtFOSAA	68.5		"	50.0		137	25-150				
Surrogate: M2-6:2 FTS	48.4		"	47.5		102	25-200				
Surrogate: M2-8:2 FTS	52.5		"	48.0		109	25-200				
Surrogate: M9PFNA	17.0		"	12.5		136	25-150				
Surrogate: M2-4:2 FTS	56.8		"	46.9		121	25-150				
Surrogate: d-N-MeFOSA	24.5		"	25.0		98.1	25-150				
Surrogate: d-N-EtFOSA	18.4		"	25.0		73.6	25-150				
Surrogate: M3HFPO-DA	141		"	100		141	25-150				
Surrogate: d9-N-EtFOSE	167		"	250		66.6	25-150				
Surrogate: d7-N-MeFOSE	217		"	250		86.7	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ42083 - EPA 1633 Prep											
LCS (BJ42083-BS2)						Prepared: 10/30/2024 Analyzed: 10/31/2024					
Perfluorobutanesulfonic acid (PFBS)	6.39	1.77	ng/L	7.08		90.2	50-150				
Perfluorohexanoic acid (PFHxA)	7.47	2.00	"	8.00		93.3	50-150				
Perfluoroheptanoic acid (PFHpA)	10.4	2.00	"	8.00		130	50-150				
Perfluorohexanesulfonic acid (PFHxS)	7.66	1.83	"	7.32		105	50-150				
Perfluorooctanoic acid (PFOA)	7.12	2.00	"	8.00		89.1	50-150				
Perfluorooctanesulfonic acid (PFOS)	7.49	1.86	"	7.44		101	50-150				
Perfluorononanoic acid (PFNA)	6.50	2.00	"	8.00		81.3	50-150				
Perfluorodecanoic acid (PFDA)	6.03	2.00	"	8.00		75.4	50-150				
Perfluoroundecanoic acid (PFUnA)	7.48	2.00	"	8.00		93.5	50-150				
Perfluorododecanoic acid (PFDoA)	7.56	2.00	"	8.00		94.5	50-150				
Perfluorotridecanoic acid (PFTriDA)	8.31	2.00	"	8.00		104	50-150				
Perfluorotetradecanoic acid (PFTA)	7.70	2.00	"	8.00		96.3	50-150				
N-MeFOSAA	8.31	2.00	"	8.00		104	50-150				
N-EtFOSAA	7.78	2.00	"	8.00		97.3	50-150				
Perfluoropentanoic acid (PFPeA)	16.5	4.00	"	16.0		103	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.90	2.00	"	8.00		73.8	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.88	1.91	"	7.64		90.0	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	8.47	1.93	"	7.72		110	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	32.7	7.60	"	30.4		108	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	32.8	7.68	"	30.7		107	50-150				
Perfluoro-n-butanoic acid (PFBA)	23.1	8.00	"	32.0		72.1	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	14.8	3.56	"	14.2		104	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	20.8	4.00	"	16.0		130	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	2.97	4.00	"	16.0		18.6	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	20.5	4.00	"	16.0		128	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	7.65	1.88	"	7.52		102	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	25.7	7.50	"	30.0		85.7	50-150				
HFPO-DA (Gen-X)	15.3	8.00	"	16.0		95.6	50-150				
11CL-PF3OUdS	14.2	7.56	"	15.1		93.9	50-150				
9CL-PF3ONS	14.7	7.48	"	15.0		98.4	50-150				
ADONA	15.1	7.56	"	15.1		100	50-150				
Perfluorododecanesulfonic acid (PFDoS)	4.22	1.94	"	7.76		54.4	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	6.82	1.92	"	7.68		88.8	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	18.1	5.00	"	32.0		56.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	157	25.0	"	160		97.9	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	212	25.0	"	160		132	50-150				
N-MeFOSE	75.1	20.0	"	80.0		93.9	50-150				
N-MeFOSA	10.0	2.00	"	8.00		126	50-150				
N-EtFOSE	74.3	20.0	"	80.0		92.9	50-150				
N-EtFOSA	7.87	2.00	"	8.00		98.4	50-150				
Surrogate: M3PFBS	25.4		"	23.3		109	25-150				
Surrogate: M5PFHxA	30.2		"	25.0		121	25-150				
Surrogate: M4PFHpA	25.1		"	25.0		100	25-150				
Surrogate: M3PFHxS	27.1		"	23.7		114	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	30.7		"	25.0		123	25-150				
Surrogate: M6PFDA	17.0		"	12.5		136	25-150				
Surrogate: M7PFUdA	13.2		"	12.5		106	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ42083 - EPA 1633 Prep

LCS (BJ42083-BS2)

Prepared: 10/30/2024 Analyzed: 10/31/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	13.6		ng/L	12.5		109	25-150				
Surrogate: M2PFTeDA	10.2		"	12.5		81.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.88		"	100		3.88	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	30.1		"	23.9		126	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	38.0		"	50.0		76.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	33.5		"	25.0		134	10-150				
Surrogate: d3-N-MeFOSAA	75.9		"	50.0		152	25-150				
Surrogate: d5-N-EtFOSAA	80.9		"	50.0		162	25-150				
Surrogate: M2-6:2 FTS	46.0		"	47.5		96.8	25-200				
Surrogate: M2-8:2 FTS	105		"	48.0		219	25-200				
Surrogate: M9PFNA	13.6		"	12.5		109	25-150				
Surrogate: M2-4:2 FTS	56.1		"	46.9		120	25-150				
Surrogate: d-N-MeFOSA	18.9		"	25.0		75.6	25-150				
Surrogate: d-N-EtFOSA	17.6		"	25.0		70.3	25-150				
Surrogate: M3HFPO-DA	124		"	100		124	25-150				
Surrogate: d9-N-EtFOSE	175		"	250		70.0	25-150				
Surrogate: d7-N-MeFOSE	201		"	250		80.5	25-150				

Batch BK40044 - EPA 1633 Prep

Blank (BK40044-BLK1)

Prepared: 11/01/2024 Analyzed: 11/04/2024

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L
Perfluorohexanoic acid (PFHxA)	ND	2.00	"
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"
Perfluorooctanoic acid (PFOA)	ND	2.00	"
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"
Perfluorononanoic acid (PFNA)	ND	2.00	"
Perfluorodecanoic acid (PFDA)	ND	2.00	"
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"
Perfluorododecanoic acid (PFDoA)	ND	2.00	"
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"
N-MeFOSAA	ND	2.00	"
N-EtFOSAA	ND	2.00	"
Perfluoropentanoic acid (PFPeA)	ND	4.00	"
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	4.98	7.60	"
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.56	"
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.00	"
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40044 - EPA 1633 Prep

Blank (BK40044-BLK1)

Prepared: 11/01/2024 Analyzed: 11/04/2024

Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	20.1		"	23.3		86.1	25-150				
Surrogate: M5PFHxA	24.4		"	25.0		97.5	25-150				
Surrogate: M4PFHpA	18.8		"	25.0		75.4	25-150				
Surrogate: M3PFHxS	21.4		"	23.7		90.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	27.7		"	25.0		111	25-150				
Surrogate: M6PFDA	12.5		"	12.5		99.6	25-150				
Surrogate: M7PFUdA	9.88		"	12.5		79.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	7.71		"	12.5		61.7	25-150				
Surrogate: M2PFTeDA	4.58		"	12.5		36.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	20.8		"	100		20.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	23.5		"	24.0		98.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	44.0		"	50.0		88.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	24.7		"	25.0		98.9	10-150				
Surrogate: d3-N-MeFOSAA	46.8		"	50.0		93.6	25-150				
Surrogate: d5-N-EtFOSAA	47.2		"	50.0		94.5	25-150				
Surrogate: M2-6:2 FTS	42.9		"	47.6		90.2	25-200				
Surrogate: M2-8:2 FTS	42.6		"	48.0		88.7	25-200				
Surrogate: M9PFNA	9.75		"	12.5		78.0	25-150				
Surrogate: M2-4:2 FTS	52.3		"	46.9		111	25-150				
Surrogate: d-N-MeFOSA	13.3		"	25.0		53.1	25-150				
Surrogate: d-N-EtFOSA	9.72		"	25.0		38.9	25-150				
Surrogate: M3HFPO-DA	91.5		"	100		91.5	25-150				
Surrogate: d9-N-EtFOSE	109		"	250		43.7	25-150				
Surrogate: d7-N-MeFOSE	144		"	250		57.7	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40044 - EPA 1633 Prep

LCS (BK40044-BS1)

Prepared: 11/01/2024 Analyzed: 11/04/2024

Perfluorobutanesulfonic acid (PFBS)	34.2	1.77	ng/L	35.4		96.6	50-150				
Perfluorohexanoic acid (PFHxA)	40.4	2.00	"	40.0		101	50-150				
Perfluoroheptanoic acid (PFHpA)	54.2	2.00	"	40.0		136	50-150				
Perfluorohexanesulfonic acid (PFHxS)	38.8	1.83	"	36.6		106	50-150				
Perfluorooctanoic acid (PFOA)	36.4	2.00	"	40.0		91.0	50-150				
Perfluorooctanesulfonic acid (PFOS)	39.2	1.86	"	37.2		105	50-150				
Perfluorononanoic acid (PFNA)	33.0	2.00	"	40.0		82.4	50-150				
Perfluorodecanoic acid (PFDA)	30.7	2.00	"	40.0		76.8	50-150				
Perfluoroundecanoic acid (PFUnA)	38.8	2.00	"	40.0		97.0	50-150				
Perfluorododecanoic acid (PFDoA)	38.5	2.00	"	40.0		96.1	50-150				
Perfluorotridecanoic acid (PFTriDA)	48.9	2.00	"	40.0		122	50-150				
Perfluorotetradecanoic acid (PFTA)	38.6	2.00	"	40.0		96.4	50-150				
N-MeFOSAA	40.0	2.00	"	40.0		100	50-150				
N-EtFOSAA	38.3	2.00	"	40.0		95.8	50-150				
Perfluoropentanoic acid (PFPeA)	82.2	4.00	"	80.0		103	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	29.0	2.00	"	40.0		72.6	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	39.5	1.91	"	38.2		103	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	39.8	1.93	"	38.6		103	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	133	7.60	"	152		87.3	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	153	7.68	"	154		99.3	50-150				
Perfluoro-n-butanoic acid (PFBA)	162	8.00	"	160		101	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	81.1	3.56	"	71.2		114	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	84.6	4.00	"	80.0		106	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	48.6	4.00	"	80.0		60.8	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	83.5	4.00	"	80.0		104	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	39.0	1.88	"	37.6		104	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	132	7.50	"	150		88.1	50-150				
HFPO-DA (Gen-X)	89.3	8.00	"	80.0		112	50-150				
11CL-PF3OUdS	72.3	7.56	"	75.6		95.6	50-150				
9CL-PF3ONS	81.8	7.48	"	74.8		109	50-150				
ADONA	85.4	7.56	"	75.6		113	50-150				
Perfluorododecanesulfonic acid (PFDoS)	24.5	1.94	"	38.8		63.1	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	37.9	1.92	"	38.4		98.7	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	147	5.00	"	160		91.7	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	829	25.0	"	800		104	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	943	25.0	"	800		118	50-150				
N-MeFOSE	347	20.0	"	400		86.9	50-150				
N-MeFOSA	44.0	2.00	"	40.0		110	50-150				
N-EtFOSE	398	20.0	"	400		99.5	50-150				
N-EtFOSA	35.0	2.00	"	40.0		87.4	50-150				
Surrogate: M3PFBS	20.8		"	23.3		89.1	25-150				
Surrogate: M5PFHxA	24.3		"	25.0		97.3	25-150				
Surrogate: M4PFHpA	18.7		"	25.0		74.7	25-150				
Surrogate: M3PFHxS	21.9		"	23.7		92.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	25.4		"	25.0		102	25-150				
Surrogate: M6PFDA	14.0		"	12.5		112	25-150				
Surrogate: M7PFUdA	12.5		"	12.5		100	25-150				





PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40044 - EPA 1633 Prep

LCS (BK40044-BS1)

Prepared: 11/01/2024 Analyzed: 11/04/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.79		ng/L	12.5		70.3	25-150				
Surrogate: M2PFTeDA	5.72		"	12.5		45.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	23.2		"	100		23.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.1		"	24.0		92.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	44.1		"	50.0		88.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.7		"	25.0		94.7	10-150				
Surrogate: d3-N-MeFOSAA	44.3		"	50.0		88.6	25-150				
Surrogate: d5-N-EtFOSAA	45.9		"	50.0		91.8	25-150				
Surrogate: M2-6:2 FTS	47.9		"	47.6		101	25-200				
Surrogate: M2-8:2 FTS	48.8		"	48.0		102	25-200				
Surrogate: M9PFNA	12.1		"	12.5		97.0	25-150				
Surrogate: M2-4:2 FTS	52.7		"	46.9		112	25-150				
Surrogate: d-N-MeFOSA	11.5		"	25.0		46.2	25-150				
Surrogate: d-N-EtFOSA	9.04		"	25.0		36.2	25-150				
Surrogate: M3HFPO-DA	91.8		"	100		91.8	25-150				
Surrogate: d9-N-EtFOSE	116		"	250		46.2	25-150				
Surrogate: d7-N-MeFOSE	139		"	250		55.7	25-150				

LCS (BK40044-BS2)

Prepared: 11/01/2024 Analyzed: 11/04/2024

Perfluorobutanesulfonic acid (PFBS)	7.22	1.77	ng/L	7.08		102	50-150				
Perfluorohexanoic acid (PFHxA)	7.52	2.00	"	8.00		94.0	50-150				
Perfluoroheptanoic acid (PFHpA)	11.8	2.00	"	8.00		148	50-150				
Perfluorohexanesulfonic acid (PFHxS)	7.31	1.83	"	7.32		99.8	50-150				
Perfluorooctanoic acid (PFOA)	7.40	2.00	"	8.00		92.5	50-150				
Perfluorooctanesulfonic acid (PFOS)	8.13	1.86	"	7.44		109	50-150				
Perfluorononanoic acid (PFNA)	9.01	2.00	"	8.00		113	50-150				
Perfluorodecanoic acid (PFDA)	6.78	2.00	"	8.00		84.8	50-150				
Perfluoroundecanoic acid (PFUnA)	8.13	2.00	"	8.00		102	50-150				
Perfluorododecanoic acid (PFDoA)	8.10	2.00	"	8.00		101	50-150				
Perfluorotridecanoic acid (PFTriDA)	10.5	2.00	"	8.00		132	50-150				
Perfluorotetradecanoic acid (PFTA)	9.02	2.00	"	8.00		113	50-150				
N-MeFOSAA	9.01	2.00	"	8.00		113	50-150				
N-EtFOSAA	8.04	2.00	"	8.00		100	50-150				
Perfluoropentanoic acid (PFPeA)	16.6	4.00	"	16.0		104	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.54	2.00	"	8.00		81.7	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.98	1.91	"	7.64		104	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	6.24	1.93	"	7.72		80.8	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	31.3	7.60	"	30.4		103	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	31.8	7.68	"	30.7		104	50-150				
Perfluoro-n-butanoic acid (PFBA)	33.6	8.00	"	32.0		105	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	16.1	3.56	"	14.2		113	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	17.4	4.00	"	16.0		109	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	17.5	4.00	"	16.0		109	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	16.2	4.00	"	16.0		101	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	8.03	1.88	"	7.52		107	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40044 - EPA 1633 Prep

LCS (BK40044-BS2)

Prepared: 11/01/2024 Analyzed: 11/04/2024

1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	27.8	7.50	ng/L	30.0		92.7	50-150				
HFPO-DA (Gen-X)	16.8	8.00	"	16.0		105	50-150				
11CL-PF3OUdS	15.3	7.56	"	15.1		101	50-150				
9CL-PF3ONS	16.7	7.48	"	15.0		112	50-150				
ADONA	17.8	7.56	"	15.1		118	50-150				
Perfluorododecanesulfonic acid (PFDoS)	5.06	1.94	"	7.76		65.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	6.83	1.92	"	7.68		88.9	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	31.6	5.00	"	32.0		98.8	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	172	25.0	"	160		107	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	184	25.0	"	160		115	50-150				
N-MeFOSE	70.0	20.0	"	80.0		87.5	50-150				
N-MeFOSA	8.67	2.00	"	8.00		108	50-150				
N-EtFOSE	85.8	20.0	"	80.0		107	50-150				
N-EtFOSA	8.85	2.00	"	8.00		111	50-150				
Surrogate: M3PFBS	21.1		"	23.3		90.4	25-150				
Surrogate: M5PFHxA	25.2		"	25.0		101	25-150				
Surrogate: M4PFHpA	20.3		"	25.0		81.1	25-150				
Surrogate: M3PFHxS	22.8		"	23.7		96.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	29.1		"	25.0		116	25-150				
Surrogate: M6PFDA	13.7		"	12.5		110	25-150				
Surrogate: M7PFUdA	12.4		"	12.5		99.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	7.14		"	12.5		57.1	25-150				
Surrogate: M2PFTeDA	5.43		"	12.5		43.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	102		"	100		102	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	24.0		"	24.0		100	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	47.9		"	50.0		95.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.8		"	25.0		95.2	10-150				
Surrogate: d3-N-MeFOSAA	44.5		"	50.0		88.9	25-150				
Surrogate: d5-N-EtFOSAA	47.0		"	50.0		94.0	25-150				
Surrogate: M2-6:2 FTS	43.8		"	47.6		92.1	25-200				
Surrogate: M2-8:2 FTS	46.3		"	48.0		96.5	25-200				
Surrogate: M9PFNA	11.5		"	12.5		92.1	25-150				
Surrogate: M2-4:2 FTS	54.9		"	46.9		117	25-150				
Surrogate: d-N-MeFOSA	8.20		"	25.0		32.8	25-150				
Surrogate: d-N-EtFOSA	6.63		"	25.0		26.5	25-150				
Surrogate: M3HFPO-DA	93.2		"	100		93.2	25-150				
Surrogate: d9-N-EtFOSE	116		"	250		46.4	25-150				
Surrogate: d7-N-MeFOSE	154		"	250		61.6	25-150				



Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BJ41757 - Preparation for GC Analysis

Blank (BJ41757-BLK1)

Prepared & Analyzed: 10/26/2024

Ethylene Glycol	ND	10.0	mg/L						
Propylene Glycol	ND	10.0	"						
Surrogate: 1,4-Butanediol	ND		"			30-130			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24J1493-01	XDDMW-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1493-06	MW-64	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1493-07	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1493-08	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-L	The LCS recovery for this PFAS compound was below control limits.
PF-CCV-H	The CCV recovery for this PFAS compound was above control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.



If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



YORK Project Number 2431493

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK

[illegible]



Technical Report

prepared for:

WSP USA, Inc. (White Plains, NY)

500 Summit Lake Drive, Suite 450

Valhalla NY, 10595

Attention: John Benvegna

Report Date: 11/04/2024

Client Project ID: Westchester County Airport

York Project (SDG) No.: 24J1608

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

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STRATFORD, CT 06615
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132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/04/2024
Client Project ID: Westchester County Airport
York Project (SDG) No.: 24J1608

WSP USA, Inc. (White Plains, NY)
500 Summit Lake Drive, Suite 450
Valhalla NY, 10595
Attention: John Benvegna

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 24, 2024 and listed below. The project was identified as your project: **Westchester County Airport**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24J1608-01	FMW-15	Ground Water	10/23/2024	10/24/2024
24J1608-02	FMW-16	Ground Water	10/23/2024	10/24/2024
24J1608-03	FMW-14	Ground Water	10/23/2024	10/24/2024
24J1608-04	MW-52	Ground Water	10/23/2024	10/24/2024
24J1608-05	FMW-23	Ground Water	10/23/2024	10/24/2024
24J1608-06	MW-53	Ground Water	10/23/2024	10/24/2024
24J1608-07	Field Blank	Ground Water	10/23/2024	10/24/2024
24J1608-08	Trip Blank	Water	10/23/2024	10/24/2024

General Notes for York Project (SDG) No.: 24J1608

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 11/04/2024





Sample Information

Client Sample ID: FMW-15

York Sample ID: 24J1608-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24J1608

Westchester County Airport

Ground Water

October 23, 2024 9:50 am

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO



Sample Information

Client Sample ID: FMW-15

York Sample ID: 24J1608-01

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 9:50 am

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO



Sample Information

Client Sample ID: FMW-15

York Sample ID: 24J1608-01

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 9:50 am

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
74-88-4	* Iodomethane	ND	CCVE, ICVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO



Sample Information

Client Sample ID: FMW-15

York Sample ID: 24J1608-01

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 9:50 am

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 16:53	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	101 %	79-122								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: FMW-15

York Sample ID: 24J1608-01

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 9:50 am

Date Received

10/24/2024

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	22.4		ng/L	0.469	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	69.4		ng/L	0.349	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	48.9	PF-CCV -H	ng/L	0.709	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	175		ng/L	0.679	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
335-67-1	Perfluorooctanoic acid (PFOA)	46.2		ng/L	0.419	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	69.4		ng/L	0.818	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
375-95-1	Perfluorononanoic acid (PFNA)	138		ng/L	0.519	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
335-76-2	Perfluorodecanoic acid (PFDA)	2.86		ng/L	0.749	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	19.4		ng/L	1.13	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.878	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.739	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.689	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.788	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	69.7		ng/L	0.230	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.878	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	3.94		ng/L	0.908	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.32	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfon ic acid (6:2 FTS)	5.61	J	ng/L	1.06	7.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.05	7.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	23.5		ng/L	0.329	7.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.499	3.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 13:01	AM
151772-58-6	Perfluoro-3,6-dioxahепtanoic acid (NFDHA)	ND		ng/L	2.14	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 13:01	AM



Sample Information

Client Sample ID: FMW-15

York Sample ID: 24J1608-01

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 9:50 am

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.250	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 13:01	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.369	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 13:01	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	26.8		ng/L	0.758	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.79	7.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.22	7.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.38	7.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.699	7.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
919005-14-4	ADONA	ND		ng/L	0.529	7.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.928	1.94	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:01	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.858	1.92	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:01	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.03	4.99	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:01	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.32	25.0	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:01	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.45	25.0	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:01	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.98	20.0	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:01	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.58	2.00	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:01	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.98	20.0	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:01	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.80	2.00	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:01	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	107 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	120 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	98.2 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	111 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	129 %	25-150								
13C6PFDA	Surrogate: M6PFDA	128 %	25-150								
13C7PFUNA	Surrogate: M7PFUdA	93.2 %	25-150								
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	69.6 %	25-150								



Sample Information

Client Sample ID: FMW-15

York Sample ID: 24J1608-01

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 9:50 am

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C2PFTEDA	Surrogate: M2PFTEDA	52.5 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	54.3 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	125 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	125 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	117 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	107 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	112 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	117 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	112 %			25-200						
13C9PFNA	Surrogate: M9PFNA	114 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	142 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	56.7 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	47.8 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	128 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	63.7 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	77.2 %			25-150						

Sample Information

Client Sample ID: FMW-16

York Sample ID: 24J1608-02

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 9:50 am

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	18.5		ng/L	0.497	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	63.1		ng/L	0.370	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	45.7	PF-CCV -H	ng/L	0.751	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	299		ng/L	0.719	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
335-67-1	Perfluorooctanoic acid (PFOA)	58.1		ng/L	0.444	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM



Sample Information

Client Sample ID: FMW-16

York Sample ID: 24J1608-02

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 9:50 am

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	103		ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:33	AM
375-95-1	Perfluorononanoic acid (PFNA)	15.7		ng/L	0.550	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
335-76-2	Perfluorodecanoic acid (PFDA)	1.95	J	ng/L	0.793	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.19	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.930	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.782	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.729	2.11	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.835	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.09	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	69.6		ng/L	0.243	4.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.930	2.11	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	17.9		ng/L	0.962	2.02	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.40	2.04	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	49.3		ng/L	1.12	8.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	5.79	J	ng/L	2.17	8.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	25.8		ng/L	0.349	8.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.529	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 13:17	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.26	4.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 13:17	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.264	4.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 13:17	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.391	4.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 13:17	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	28.0		ng/L	0.803	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.89	7.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.41	8.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM



Sample Information

Client Sample ID: FMW-16		York Sample ID: 24J1608-02			
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1608	Westchester County Airport	Ground Water	October 23, 2024 9:50 am	10/24/2024	

PFAS, EPA 1633 Target ListLog-in Notes:Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.46	7.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.740	7.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
919005-14-4	ADONA	ND		ng/L	0.560	7.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.983	2.05	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:17	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.909	2.03	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:17	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPtPA)	ND		ng/L	2.15	5.29	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:17	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.75	26.4	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:17	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.0	26.4	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:17	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.22	21.1	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:17	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.67	2.11	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:17	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.22	21.1	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:17	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.90	2.11	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:17	AM
	Surrogate Recoveries	Result		Acceptance Range							
M3PFBS	Surrogate: M3PFBS	127 %		25-150							
M3PFBS	Surrogate: M3PFBS	116 %		25-150							
13C5PFHXA	Surrogate: M5PFHxA	133 %		25-150							
13C5PFHXA	Surrogate: M5PFHxA	131 %		25-150							
13C4PFHPA	Surrogate: M4PFHpA	114 %		25-150							
13C4PFHPA	Surrogate: M4PFHpA	101 %		25-150							
13C3PFHXS	Surrogate: M3PFHxS	127 %		25-150							
13C3PFHXS	Surrogate: M3PFHxS	114 %		25-150							
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	146 %		25-150							
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	130 %		25-150							
13C6PFDA	Surrogate: M6PFDA	159 %	PFSu-H	25-150							
13C6PFDA	Surrogate: M6PFDA	141 %		25-150							
13C7PFUNA	Surrogate: M7PFUdA	118 %		25-150							
13C7PFUNA	Surrogate: M7PFUdA	118 %		25-150							
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	81.8 %		25-150							



Sample Information

Client Sample ID: FMW-16

York Sample ID: 24J1608-02

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 9:50 am

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	93.8 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	59.1 %			10-150						
13C2PFTEDA	Surrogate: M2PFTeDA	63.0 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	64.6 %			25-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	25.5 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	151 %	PFSu-H		25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	134 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	134 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	126 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	142 %			10-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	139 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	126 %			25-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	127 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	141 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	131 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	123 %			25-200						
M2-6:2FTS	Surrogate: M2-6:2 FTS	186 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	130 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	137 %			25-200						
13C9PFNA	Surrogate: M9PFNA	133 %			25-150						
13C9PFNA	Surrogate: M9PFNA	126 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	154 %	PFSu-H		25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	223 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	71.7 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	69.0 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	52.2 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	53.7 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	121 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	117 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	73.5 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	64.1 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	93.0 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	75.2 %			25-150						



Sample Information

Client Sample ID: FMW-16

York Sample ID: 24J1608-02

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24J1608	Westchester County Airport	Ground Water	October 23, 2024 9:50 am	10/24/2024

Sample Information

Client Sample ID: FMW-14

York Sample ID: 24J1608-03

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24J1608	Westchester County Airport	Ground Water	October 23, 2024 10:50 am	10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO



Sample Information

Client Sample ID: FMW-14

York Sample ID: 24J1608-03

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 10:50 am

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
108-90-7	Chlorobenzene	7.67		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO



Sample Information

Client Sample ID: FMW-14

York Sample ID: 24J1608-03

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 10:50 am

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
74-88-4	* Iodomethane	ND	CCVE, ICVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO



Sample Information

Client Sample ID: FMW-14

York Sample ID: 24J1608-03

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 10:50 am

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:21	FO
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: FMW-14

York Sample ID: 24J1608-03

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 10:50 am

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			79-122						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	5.85		ng/L	0.572	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	25.8		ng/L	0.426	2.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	20.7	PF-CCV -H	ng/L	0.864	2.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	97.2		ng/L	0.827	2.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
335-67-1	Perfluorooctanoic acid (PFOA)	30.6		ng/L	0.511	2.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	115		ng/L	0.998	2.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
375-95-1	Perfluorononanoic acid (PFNA)	26.1		ng/L	0.633	2.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.912	2.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	3.27		ng/L	1.37	2.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.07	2.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.900	2.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.839	2.43	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.961	2.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.25	2.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	40.7		ng/L	0.280	4.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.07	2.43	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	1.77	J	ng/L	1.11	2.32	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM



Sample Information

Client Sample ID: FMW-14

York Sample ID: 24J1608-03

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 10:50 am

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.61	2.35	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	6.51	J	ng/L	1.29	9.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.49	9.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	17.2		ng/L	0.401	9.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.608	4.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 13:50	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.60	4.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 13:50	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.304	4.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 13:50	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.450	4.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 13:50	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	8.32		ng/L	0.925	2.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.18	9.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.93	9.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.68	9.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.852	9.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
919005-14-4	ADONA	ND		ng/L	0.645	9.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.13	2.36	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:50	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.05	2.34	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 13:50	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.47	6.08	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:50	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	8.92	30.4	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:50	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	11.5	30.4	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:50	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.85	24.3	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:50	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.92	2.43	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:50	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.85	24.3	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:50	AM
4151-50-2	* N-EtFOSA	ND		ng/L	2.19	2.43	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 13:50	AM



Sample Information

Client Sample ID: FMW-14

York Sample ID: 24J1608-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24J1608

Westchester County Airport

Ground Water

October 23, 2024 10:50 am

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
M3PFBS	Surrogate: M3PFBS	122 %			25-150						
13C5PFHXA	Surrogate: M5PFHxA	133 %			25-150						
13C4PFHPA	Surrogate: M4PFHpA	116 %			25-150						
13C3PFHXS	Surrogate: M3PFHxS	116 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	144 %			25-150						
13C6PFDA	Surrogate: M6PFDA	141 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	90.2 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	47.1 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	27.7 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	90.7 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	137 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	131 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	109 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	105 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	84.3 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	176 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	132 %			25-200						
13C9PFNA	Surrogate: M9PFNA	125 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	203 %		PFSu-H	25-150						
936109-37-4	Surrogate: d-N-MeFOSA	34.4 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	20.4 %		PFSu-L	25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	115 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	25.0 %		PFSu-L	25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	38.1 %			25-150						

Sample Information

Client Sample ID: MW-52

York Sample ID: 24J1608-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24J1608

Westchester County Airport

Ground Water

October 23, 2024 11:45 am

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-52

York Sample ID: 24J1608-04

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 11:45 am

Date Received

10/24/2024

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	7.74		ng/L	0.482	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	33.7		ng/L	0.359	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	17.1	PF-CCV -H	ng/L	0.727	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	42.0		ng/L	0.697	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
335-67-1	Perfluorooctanoic acid (PFOA)	5.63		ng/L	0.430	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.79	J	ng/L	0.840	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
375-95-1	Perfluorononanoic acid (PFNA)	1.31	J	ng/L	0.533	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.768	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.16	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.902	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.758	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.707	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.809	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.06	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	54.2		ng/L	0.236	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.902	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.932	1.96	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.35	1.98	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.09	7.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.10	7.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	17.8		ng/L	0.338	8.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.512	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:06	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.19	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:06	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.256	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:06	AM



Sample Information

Client Sample ID: MW-52

York Sample ID: 24J1608-04

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 11:45 am

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.379	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:06	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	9.96		ng/L	0.779	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.83	7.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.31	8.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.41	7.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.717	7.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
919005-14-4	ADONA	ND		ng/L	0.543	7.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.953	1.99	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:06	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.881	1.97	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:06	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.08	5.12	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:06	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.51	25.6	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:06	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.70	25.6	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:06	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.09	20.5	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:06	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.62	2.05	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:06	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.09	20.5	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:06	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.84	2.05	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:06	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	115 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	117 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	98.1 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	113 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	119 %	25-150								
13C6PFDA	Surrogate: M6PFDA	124 %	25-150								
13C7PFUNA	Surrogate: M7PFUdA	72.1 %	25-150								
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	37.5 %	25-150								
13C2PFTEDA	Surrogate: M2PFTeDA	15.7 %	10-150								



Sample Information

Client Sample ID: MW-52

York Sample ID: 24J1608-04

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 11:45 am

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	28.5 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	108 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	118 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	111 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	84.9 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	86.5 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	110 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	102 %			25-200						
13C9PFNA	Surrogate: M9PFNA	104 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	157 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	44.5 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	25.9 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	106 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	21.7 %	PFSu-L		25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	35.1 %			25-150						

Sample Information

Client Sample ID: FMW-23

York Sample ID: 24J1608-05

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 12:20 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 17:50	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 17:50	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 17:50	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 17:50	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 17:50	FO



Sample Information

Client Sample ID: FMW-23

York Sample ID: 24J1608-05

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 12:20 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO



Sample Information

Client Sample ID: FMW-23

York Sample ID: 24J1608-05

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 12:20 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
156-59-2	cis-1,2-Dichloroethylene	74.6		ug/L	2.94	5.00	10	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:01	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO



Sample Information

Client Sample ID: FMW-23

York Sample ID: 24J1608-05

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 12:20 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
74-88-4	* Iodomethane	ND	CCVE, ICVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO



Sample Information

Client Sample ID: FMW-23

York Sample ID: 24J1608-05

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 12:20 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
127-18-4	Tetrachloroethylene	3.62	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
156-60-5	trans-1,2-Dichloroethylene	0.670		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
79-01-6	Trichloroethylene	0.510		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
75-01-4	Vinyl Chloride	4.99		ug/L	0.469	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 17:50	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.9 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	24.5		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:22	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	184		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:22	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	178	PF-CCV -H	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:22	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	284		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:22	AM



Sample Information

Client Sample ID: FMW-23

York Sample ID: 24J1608-05

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 12:20 pm

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	71.0		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	336		ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
375-95-1	Perfluorononanoic acid (PFNA)	275		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
335-76-2	Perfluorodecanoic acid (PFDA)	14.2	J	ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	418		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	24.1	J	ng/L	10.6	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	20.5	76.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	97.4		ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:22	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:22	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:22	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:22	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	37.2		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM



Sample Information

Client Sample ID: FMW-23

York Sample ID: 24J1608-05

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 12:20 pm

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:22	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:22	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:22	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:22	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:22	AM
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:22	AM
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:22	AM
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:22	AM
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:22	AM

Surrogate Recoveries		Result	Acceptance Range	
M3PFBS	Surrogate: M3PFBS	133 %		25-150
13C5PFHXA	Surrogate: M5PFHxA	153 %	PFSu-H	25-150
13C4PFHFA	Surrogate: M4PFHFA	121 %		25-150
13C3PFHXS	Surrogate: M3PFHxS	137 %		25-150
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	166 %	PFSu-H	25-150
13C6PFDA	Surrogate: M6PFDA	170 %	PFSu-H	25-150
13C7PFUNA	Surrogate: M7PFUdA	146 %		25-150
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	99.8 %		25-150
13C2PFTEDA	Surrogate: M2PFTeDA	76.7 %		10-150
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	96.6 %		25-150
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	173 %	PFSu-H	25-150
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	149 %		25-150



Sample Information

Client Sample ID: FMW-23

York Sample ID: 24J1608-05

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 12:20 pm

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	147 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	141 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	160 %	PFSu-H		25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	124 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	130 %			25-200						
13C9PFNA	Surrogate: M9PFNA	133 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	164 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	67.1 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	55.6 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	147 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	83.4 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	105 %			25-150						

Sample Information

Client Sample ID: MW-53

York Sample ID: 24J1608-06

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 1:15 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 13:30	FO



Sample Information

Client Sample ID: MW-53

York Sample ID: 24J1608-06

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 1:15 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
123-91-1	1,4-Dioxane	ND	CCVE, ICVE	ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
78-93-3	2-Butanone	1.09		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
67-64-1	Acetone	ND	CAL-E, CCVE	ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
107-02-8	Acrolein	ND	CAL-E	ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO



Sample Information

Client Sample ID: MW-53

York Sample ID: 24J1608-06

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 1:15 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
74-83-9	Bromomethane	ND	CCVE, QL-02	ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
75-15-0	Carbon disulfide	1.24		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO



Sample Information

Client Sample ID: MW-53

York Sample ID: 24J1608-06

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 1:15 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
75-85-4	tert-Amyl alcohol (TAA)	ND	CCVE	ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
127-18-4	Tetrachloroethylene	2.04	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:30	FO



Sample Information

Client Sample ID: MW-53

York Sample ID: 24J1608-06

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 1:15 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 13:30	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:30	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.8 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	97.9 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	12.2	J	ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	58.9		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	79.7	PF-CCV -H	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	223		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
335-67-1	Perfluorooctanoic acid (PFOA)	59.7		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	510		ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
375-95-1	Perfluorononanoic acid (PFNA)	35.8		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM



Sample Information

Client Sample ID: MW-53

York Sample ID: 24J1608-06

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 1:15 pm

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	148		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	24.5		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	10.6	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	20.5	76.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	84.9		ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:38	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:38	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:38	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:38	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	17.4	J	ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM



Sample Information

Client Sample ID: MW-53

York Sample ID: 24J1608-06

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 1:15 pm

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:38	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:38	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:38	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:38	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:38	AM
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:38	AM
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:38	AM
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:38	AM
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:38	AM

Surrogate Recoveries		Result	Acceptance Range	
M3PFBS	Surrogate: M3PFBS	129 %	25-150	
13C5PFHXA	Surrogate: M5PFHxA	134 %	25-150	
13C4PFHPA	Surrogate: M4PFHpA	102 %	25-150	
13C3PFHXS	Surrogate: M3PFHxS	134 %	25-150	
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	155 %	PFSu-H	25-150
13C6PFDA	Surrogate: M6PFDA	139 %	25-150	
13C7PFUNA	Surrogate: M7PFUdA	108 %	25-150	
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	93.1 %	25-150	
13C2PFTEDA	Surrogate: M2PFTeDA	61.8 %	10-150	
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	24.2 %	PFSu-L	25-150
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	147 %	25-150	
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	127 %	25-150	
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	137 %	10-150	
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	124 %	25-150	
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	139 %	25-150	
M2-6:2FTS	Surrogate: M2-6:2 FTS	119 %	25-200	
M2-8:2FTS	Surrogate: M2-8:2 FTS	118 %	25-200	
13C9PFNA	Surrogate: M9PFNA	129 %	25-150	
M2-4:2FTS	Surrogate: M2-4:2 FTS	157 %	PFSu-H	25-150



Sample Information

Client Sample ID: MW-53

York Sample ID: 24J1608-06

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 1:15 pm

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
936109-37-4	Surrogate: d-N-MeFOSA	64.8 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	54.6 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	136 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	75.1 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	91.0 %			25-150						

Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1608-07

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 2:50 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 18:46	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 18:46	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 18:46	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 18:46	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 18:46	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 18:46	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 18:46	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/25/2024 11:00	10/25/2024 18:46	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/25/2024 11:00	10/25/2024 18:46	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/25/2024 11:00	10/25/2024 18:46	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/25/2024 11:00	10/25/2024 18:46	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 18:46	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1608-07

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 2:50 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1608-07

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 2:50 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
67-66-3	Chloroform	2.12		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
74-88-4	* Iodomethane	ND	CCVE, ICVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1608-07

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 2:50 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 18:46	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1608-07

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 2:50 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 18:46	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/25/2024 11:00	10/25/2024 18:46	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 18:46	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 18:46	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	79-122								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.438	1.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.326	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.661	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.633	1.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.391	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.764	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.484	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.698	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.05	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.819	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.689	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.642	1.86	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.736	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1608-07

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 23, 2024 2:50 pm

Date Received

10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	N-EtFOSAA	ND		ng/L	0.959	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.214	3.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.819	1.86	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.847	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.23	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	6.63	J	ng/L	0.987	7.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.91	7.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.307	7.45	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.466	3.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:54	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.99	3.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:54	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.233	3.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:54	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.345	3.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/01/2024 10:25	11/04/2024 14:54	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.708	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.67	6.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.01	7.45	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
83329-89-9	11CL-PF3OUdS	ND		ng/L	1.28	7.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.652	6.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
919005-14-4	ADONA	ND		ng/L	0.493	7.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.866	1.81	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:54	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.801	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/01/2024 10:25	11/04/2024 14:54	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.89	4.66	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:54	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.82	23.3	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:54	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.82	23.3	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:54	AM



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1608-07

York Project (SDG) No.
24J1608

Client Project ID
Westchester County Airport

Matrix
Ground Water

Collection Date/Time
October 23, 2024 2:50 pm

Date Received
10/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24448-09-7	* N-MeFOSE	ND		ng/L	3.72	18.6	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:54	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.47	1.86	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:54	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.72	18.6	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:54	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.68	1.86	1	EPA 1633 Draft 3 Certifications:	11/01/2024 10:25	11/04/2024 14:54	AM
Surrogate Recoveries		Result			Acceptance Range						
M3PFBS	Surrogate: M3PFBS	131 %			25-150						
13C5PFHXA	Surrogate: M5PFHxA	149 %			25-150						
13C4PFHPA	Surrogate: M4PFHpA	109 %			25-150						
13C3PFHXS	Surrogate: M3PFHxS	134 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	177 %	PFSu-H		25-150						
13C6PFDA	Surrogate: M6PFDA	138 %			25-150						
13C7PFUNA	Surrogate: M7PFUDa	112 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	83.8 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	57.8 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	19.5 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	141 %			25-150						
2283397-79-3	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	136 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	135 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	127 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	144 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	116 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	120 %			25-200						
13C9PFNA	Surrogate: M9PFNA	122 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	162 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	71.7 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	57.8 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	144 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	75.3 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	91.9 %			25-150						



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1608-08

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 23, 2024 3:00 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/25/2024 11:00	10/25/2024 19:14	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/25/2024 11:00	10/25/2024 19:14	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/25/2024 11:00	10/25/2024 19:14	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/25/2024 11:00	10/25/2024 19:14	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/25/2024 11:00	10/25/2024 19:14	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/25/2024 11:00	10/25/2024 19:14	FO
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/25/2024 11:00	10/25/2024 19:14	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1608-08

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 23, 2024 3:00 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
67-66-3	Chloroform	2.16		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1608-08

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 23, 2024 3:00 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
74-88-4	* Iodomethane	ND	CCVE, ICVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1608-08

York Project (SDG) No.

24J1608

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 23, 2024 3:00 pm

Date Received

10/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/25/2024 11:00	10/25/2024 19:14	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	79-122								



Analytical Batch Summary

Batch ID: BJ41750 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24J1608-01	FMW-15	10/25/24
24J1608-03	FMW-14	10/25/24
24J1608-05	FMW-23	10/25/24
24J1608-07	Field Blank	10/25/24
24J1608-08	Trip Blank	10/25/24
BJ41750-BLK1	Blank	10/25/24
BJ41750-BS1	LCS	10/25/24

Batch ID: BJ41880 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24J1608-05RE1	FMW-23	10/28/24
24J1608-06	MW-53	10/28/24
BJ41880-BLK1	Blank	10/28/24
BJ41880-BS1	LCS	10/28/24

Batch ID: BJ42083 **Preparation Method:** EPA 1633 Prep **Prepared By:** SAB

YORK Sample ID	Client Sample ID	Preparation Date
24J1608-07	Field Blank	10/30/24
BJ42083-BLK1	Blank	10/30/24
BJ42083-BS1	LCS	10/30/24
BJ42083-BS2	LCS	10/30/24

Batch ID: BK40044 **Preparation Method:** EPA 1633 Prep **Prepared By:** MPR

YORK Sample ID	Client Sample ID	Preparation Date
24J1608-01	FMW-15	11/01/24
24J1608-02	FMW-16	11/01/24
24J1608-02RE1	FMW-16	11/01/24
24J1608-03	FMW-14	11/01/24
24J1608-04	MW-52	11/01/24
24J1608-05	FMW-23	11/01/24
24J1608-06	MW-53	11/01/24
24J1608-07RE1	Field Blank	11/01/24
BK40044-BLK1	Blank	11/01/24
BK40044-BS1	LCS	11/01/24
BK40044-BS2	LCS	11/01/24



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41750 - EPA 5030B

Blank (BJ41750-BLK1)

Prepared & Analyzed: 10/25/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4,5-Tetramethylbenzene	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41750 - EPA 5030B

Blank (BJ41750-BLK1)

Prepared & Analyzed: 10/25/2024

Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	"								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41750 - EPA 5030B											
LCS (BJ41750-BS1)						Prepared & Analyzed: 10/25/2024					
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136				
1,1,2,2-Tetrachloroethane	12.4		"	10.0		124	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165				
1,1,2-Trichloroethane	11.0		"	10.0		110	82-123				
1,1-Dichloroethane	10.2		"	10.0		102	82-129				
1,1-Dichloroethylene	10.4		"	10.0		104	68-138				
1,1-Dichloropropylene	10.6		"	10.0		106	83-133				
1,2,3-Trichlorobenzene	11.0		"	10.0		110	76-136				
1,2,3-Trichloropropane	11.3		"	10.0		113	77-128				
1,2,4,5-Tetramethylbenzene	10.7		"	10.0		107	85-140				
1,2,4-Trichlorobenzene	11.1		"	10.0		111	76-137				
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132				
1,2-Dibromo-3-chloropropane	11.8		"	10.0		118	45-147				
1,2-Dibromoethane	11.3		"	10.0		113	83-124				
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123				
1,2-Dichloroethane	11.0		"	10.0		110	73-132				
1,2-Dichloropropane	11.1		"	10.0		111	78-126				
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131				
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122				
1,3-Dichloropropane	11.1		"	10.0		111	81-125				
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124				
1,4-Dioxane	397		"	210		189	10-349				
2,2-Dichloropropane	13.9		"	10.0		139	56-150				
2-Butanone	10.8		"	10.0		108	49-152				
2-Chlorotoluene	10.8		"	10.0		108	79-130				
2-Hexanone	10.7		"	10.0		107	51-146				
4-Chlorotoluene	10.8		"	10.0		108	79-128				
4-Methyl-2-pentanone	11.5		"	10.0		115	57-145				
Acetone	19.1		"	10.0		191	14-150	High Bias			
Acrolein	20.3		"	10.0		203	10-153	High Bias			
Acrylonitrile	10.9		"	10.0		109	51-150				
Benzene	10.8		"	10.0		108	85-126				
Bromobenzene	11.0		"	10.0		110	78-129				
Bromochloromethane	10.8		"	10.0		108	77-128				
Bromodichloromethane	11.1		"	10.0		111	79-128				
Bromoform	11.4		"	10.0		114	78-133				
Bromomethane	13.5		"	10.0		135	43-168				
Carbon disulfide	9.89		"	10.0		98.9	68-146				
Carbon tetrachloride	10.8		"	10.0		108	77-141				
Chlorobenzene	10.9		"	10.0		109	88-120				
Chloroethane	11.1		"	10.0		111	65-136				
Chloroform	10.4		"	10.0		104	82-128				
Chloromethane	11.2		"	10.0		112	43-155				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	11.5		"	10.0		115	80-131				
Cyclohexane	9.28		"	10.0		92.8	63-149				
Dibromochloromethane	11.4		"	10.0		114	80-130				
Dibromomethane	10.8		"	10.0		108	72-134				
Dichlorodifluoromethane	9.31		"	10.0		93.1	44-144				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41750 - EPA 5030B

LCS (BJ41750-BS1)

Prepared & Analyzed: 10/25/2024

Diisopropyl ether (DIPE)	10.7		ug/L	10.0		107	70-130				
Ethyl Benzene	11.3		"	10.0		113	80-131				
Ethyl tert-butyl ether (ETBE)	10.8		"	10.0		108	70-130				
Hexachlorobutadiene	11.1		"	10.0		111	67-146				
Iodomethane	5.81		"	10.0		58.1	70-130	Low Bias			
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl acetate	9.03		"	10.0		90.3	51-139				
Methyl Methacrylate	11.7		"	10.0		117	72-132				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135				
Methyleyclohexane	10.3		"	10.0		103	72-143				
Methylene chloride	10.8		"	10.0		108	55-137				
Naphthalene	11.6		"	10.0		116	70-147				
n-Butylbenzene	11.0		"	10.0		110	79-132				
n-Propylbenzene	11.0		"	10.0		110	78-133				
o-Xylene	11.0		"	10.0		110	78-130				
p- & m- Xylenes	19.3		"	20.0		96.7	77-133				
p-Diethylbenzene	10.8		"	10.0		108	84-134				
p-Ethyltoluene	11.2		"	10.0		112	88-129				
p-Isopropyltoluene	11.1		"	10.0		111	81-136				
sec-Butylbenzene	10.8		"	10.0		108	79-137				
Styrene	11.1		"	10.0		111	67-132				
tert-Amyl alcohol (TAA)	121		"	100		121	70-130				
tert-Amyl methyl ether (TAME)	11.1		"	10.0		111	70-130				
tert-Butyl alcohol (TBA)	55.6		"	50.0		111	25-162				
tert-Butylbenzene	10.5		"	10.0		105	77-138				
Tetrachloroethylene	5.68		"	10.0		56.8	82-131	Low Bias			
Tetrahydrofuran	11.0		"	10.0		110	36-166				
Toluene	11.0		"	10.0		110	80-127				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	80-132				
trans-1,3-Dichloropropylene	12.0		"	10.0		120	78-131				
trans-1,4-dichloro-2-butene	10.7		"	10.0		107	63-141				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	11.0		"	10.0		110	67-139				
Vinyl acetate	10.1		"	10.0		101	21-90	High Bias			
Vinyl Chloride	11.0		"	10.0		110	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.1		"	10.0		101	69-130				
Surrogate: SURR: Toluene-d8	9.95		"	10.0		99.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.98		"	10.0		99.8	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41880 - EPA 5030B

Blank (BJ41880-BLK1)

Prepared & Analyzed: 10/28/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4,5-Tetramethylbenzene	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41880 - EPA 5030B

Blank (BJ41880-BLK1)

Prepared & Analyzed: 10/28/2024

Diisopropyl ether (DIPE)	ND	0.800	ug/L								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methyleyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.72		"	10.0		97.2	69-130				
Surrogate: SURR: Toluene-d8	9.72		"	10.0		97.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41880 - EPA 5030B											
LCS (BJ41880-BS1)						Prepared & Analyzed: 10/28/2024					
1,1,1,2-Tetrachloroethane	8.89		ug/L	10.0		88.9	82-126				
1,1,1-Trichloroethane	9.71		"	10.0		97.1	78-136				
1,1,2,2-Tetrachloroethane	9.49		"	10.0		94.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165				
1,1,2-Trichloroethane	8.79		"	10.0		87.9	82-123				
1,1-Dichloroethane	9.08		"	10.0		90.8	82-129				
1,1-Dichloroethylene	10.0		"	10.0		100	68-138				
1,1-Dichloropropylene	10.0		"	10.0		100	83-133				
1,2,3-Trichlorobenzene	9.27		"	10.0		92.7	76-136				
1,2,3-Trichloropropane	8.67		"	10.0		86.7	77-128				
1,2,4,5-Tetramethylbenzene	9.34		"	10.0		93.4	85-140				
1,2,4-Trichlorobenzene	9.64		"	10.0		96.4	76-137				
1,2,4-Trimethylbenzene	9.42		"	10.0		94.2	82-132				
1,2-Dibromo-3-chloropropane	8.93		"	10.0		89.3	45-147				
1,2-Dibromoethane	9.20		"	10.0		92.0	83-124				
1,2-Dichlorobenzene	9.29		"	10.0		92.9	79-123				
1,2-Dichloroethane	9.19		"	10.0		91.9	73-132				
1,2-Dichloropropane	8.78		"	10.0		87.8	78-126				
1,3,5-Trimethylbenzene	9.86		"	10.0		98.6	80-131				
1,3-Dichlorobenzene	9.30		"	10.0		93.0	86-122				
1,3-Dichloropropane	8.72		"	10.0		87.2	81-125				
1,4-Dichlorobenzene	9.12		"	10.0		91.2	85-124				
1,4-Dioxane	238		"	210		113	10-349				
2,2-Dichloropropane	10.2		"	10.0		102	56-150				
2-Butanone	8.67		"	10.0		86.7	49-152				
2-Chlorotoluene	9.31		"	10.0		93.1	79-130				
2-Hexanone	7.09		"	10.0		70.9	51-146				
4-Chlorotoluene	9.38		"	10.0		93.8	79-128				
4-Methyl-2-pentanone	8.34		"	10.0		83.4	57-145				
Acetone	16.0		"	10.0		160	14-150	High Bias			
Acrolein	12.8		"	10.0		128	10-153				
Acrylonitrile	9.47		"	10.0		94.7	51-150				
Benzene	9.88		"	10.0		98.8	85-126				
Bromobenzene	8.99		"	10.0		89.9	78-129				
Bromochloromethane	8.54		"	10.0		85.4	77-128				
Bromodichloromethane	8.76		"	10.0		87.6	79-128				
Bromoform	8.98		"	10.0		89.8	78-133				
Bromomethane	4.14		"	10.0		41.4	43-168	Low Bias			
Carbon disulfide	9.61		"	10.0		96.1	68-146				
Carbon tetrachloride	10.2		"	10.0		102	77-141				
Chlorobenzene	9.08		"	10.0		90.8	88-120				
Chloroethane	9.95		"	10.0		99.5	65-136				
Chloroform	9.35		"	10.0		93.5	82-128				
Chloromethane	7.71		"	10.0		77.1	43-155				
cis-1,2-Dichloroethylene	9.22		"	10.0		92.2	83-129				
cis-1,3-Dichloropropylene	8.50		"	10.0		85.0	80-131				
Cyclohexane	8.60		"	10.0		86.0	63-149				
Dibromochloromethane	8.86		"	10.0		88.6	80-130				
Dibromomethane	8.47		"	10.0		84.7	72-134				
Dichlorodifluoromethane	10.6		"	10.0		106	44-144				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41880 - EPA 5030B

LCS (BJ41880-BS1)

Prepared & Analyzed: 10/28/2024

Diisopropyl ether (DIPE)	8.93		ug/L	10.0		89.3	70-130				
Ethyl Benzene	9.36		"	10.0		93.6	80-131				
Ethyl tert-butyl ether (ETBE)	9.14		"	10.0		91.4	70-130				
Hexachlorobutadiene	10.3		"	10.0		103	67-146				
Iodomethane	2.49		"	10.0		24.9	70-130	Low Bias			
Isopropylbenzene	9.74		"	10.0		97.4	76-140				
Methyl acetate	6.99		"	10.0		69.9	51-139				
Methyl Methacrylate	8.75		"	10.0		87.5	72-132				
Methyl tert-butyl ether (MTBE)	8.85		"	10.0		88.5	76-135				
Methyleyclohexane	9.12		"	10.0		91.2	72-143				
Methylene chloride	9.46		"	10.0		94.6	55-137				
Naphthalene	9.56		"	10.0		95.6	70-147				
n-Butylbenzene	9.94		"	10.0		99.4	79-132				
n-Propylbenzene	9.68		"	10.0		96.8	78-133				
o-Xylene	9.09		"	10.0		90.9	78-130				
p- & m- Xylenes	16.2		"	20.0		81.2	77-133				
p-Diethylbenzene	9.75		"	10.0		97.5	84-134				
p-Ethyltoluene	9.87		"	10.0		98.7	88-129				
p-Isopropyltoluene	10.2		"	10.0		102	81-136				
sec-Butylbenzene	9.82		"	10.0		98.2	79-137				
Styrene	9.18		"	10.0		91.8	67-132				
tert-Amyl alcohol (TAA)	86.6		"	100		86.6	70-130				
tert-Amyl methyl ether (TAME)	9.29		"	10.0		92.9	70-130				
tert-Butyl alcohol (TBA)	43.2		"	50.0		86.3	25-162				
tert-Butylbenzene	9.64		"	10.0		96.4	77-138				
Tetrachloroethylene	5.70		"	10.0		57.0	82-131	Low Bias			
Tetrahydrofuran	9.67		"	10.0		96.7	36-166				
Toluene	9.24		"	10.0		92.4	80-127				
trans-1,2-Dichloroethylene	9.43		"	10.0		94.3	80-132				
trans-1,3-Dichloropropylene	8.50		"	10.0		85.0	78-131				
trans-1,4-dichloro-2-butene	8.99		"	10.0		89.9	63-141				
Trichloroethylene	9.17		"	10.0		91.7	82-128				
Trichlorofluoromethane	10.4		"	10.0		104	67-139				
Vinyl acetate	19.2		"	10.0		192	21-90	High Bias			
Vinyl Chloride	9.35		"	10.0		93.5	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.95		"	10.0		99.5	69-130				
Surrogate: SURR: Toluene-d8	9.51		"	10.0		95.1	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ42083 - EPA 1633 Prep

Blank (BJ42083-BLK1)

Prepared: 10/30/2024 Analyzed: 10/31/2024

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1.92	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	26.1		"	23.3		112	25-150				
Surrogate: M5PFHxA	34.5		"	25.0		138	25-150				
Surrogate: M4PFHpA	25.1		"	25.0		100	25-150				
Surrogate: M3PFHxS	27.7		"	23.7		117	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	33.6		"	25.0		134	25-150				
Surrogate: M6PFDA	18.5		"	12.5		148	25-150				
Surrogate: M7PFUdA	16.8		"	12.5		135	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ42083 - EPA 1633 Prep											
Blank (BJ42083-BLK1)						Prepared: 10/30/2024 Analyzed: 10/31/2024					
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.9		ng/L	12.5		103	25-150				
Surrogate: M2PFTeDA	9.76		"	12.5		78.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.18		"	100		3.18	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	29.3		"	23.9		122	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	42.4		"	50.0		84.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	31.7		"	25.0		127	10-150				
Surrogate: d3-N-MeFOSAA	50.2		"	50.0		100	25-150				
Surrogate: d5-N-EtFOSAA	53.8		"	50.0		108	25-150				
Surrogate: M2-6:2 FTS	43.7		"	47.5		91.9	25-200				
Surrogate: M2-8:2 FTS	47.4		"	48.0		98.7	25-200				
Surrogate: M9PFNA	13.0		"	12.5		104	25-150				
Surrogate: M2-4:2 FTS	53.6		"	46.9		114	25-150				
Surrogate: d-N-MeFOSA	20.3		"	25.0		81.4	25-150				
Surrogate: d-N-EtFOSA	17.8		"	25.0		71.1	25-150				
Surrogate: M3HFPO-DA	128		"	100		128	25-150				
Surrogate: d9-N-EtFOSE	155		"	250		62.2	25-150				
Surrogate: d7-N-MeFOSE	180		"	250		72.0	25-150				
LCS (BJ42083-BS1)						Prepared: 10/30/2024 Analyzed: 10/31/2024					
Perfluorobutanesulfonic acid (PFBS)	31.2	1.77	ng/L	35.4		88.1	50-150				
Perfluorohexanoic acid (PFHxA)	37.4	2.00	"	40.0		93.5	50-150				
Perfluoroheptanoic acid (PFHpA)	56.2	2.00	"	40.0		141	50-150				
Perfluorohexanesulfonic acid (PFHxS)	34.5	1.83	"	36.6		94.3	50-150				
Perfluorooctanoic acid (PFOA)	30.2	2.00	"	40.0		75.6	50-150				
Perfluorooctanesulfonic acid (PFOS)	33.8	1.86	"	37.2		90.8	50-150				
Perfluorononanoic acid (PFNA)	31.7	2.00	"	40.0		79.1	50-150				
Perfluorodecanoic acid (PFDA)	29.9	2.00	"	40.0		74.8	50-150				
Perfluoroundecanoic acid (PFUnA)	35.7	2.00	"	40.0		89.3	50-150				
Perfluorododecanoic acid (PFDoA)	35.0	2.00	"	40.0		87.4	50-150				
Perfluorotridecanoic acid (PFTriDA)	40.4	2.00	"	40.0		101	50-150				
Perfluorotetradecanoic acid (PFTA)	32.7	2.00	"	40.0		81.7	50-150				
N-MeFOSAA	39.4	2.00	"	40.0		98.6	50-150				
N-EtFOSAA	37.9	2.00	"	40.0		94.7	50-150				
Perfluoropentanoic acid (PFPeA)	77.8	4.00	"	80.0		97.2	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	30.6	2.00	"	40.0		76.4	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	35.3	1.91	"	38.2		92.4	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	31.1	1.93	"	38.6		80.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	141	7.60	"	152		92.9	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	149	7.68	"	154		96.8	50-150				
Perfluoro-n-butanoic acid (PFBA)	127	8.00	"	160		79.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	73.5	3.56	"	71.2		103	50-150				
Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	96.0	4.00	"	80.0		120	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	14.1	4.00	"	80.0		17.7	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	98.3	4.00	"	80.0		123	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	36.2	1.88	"	37.6		96.4	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ42083 - EPA 1633 Prep

LCS (BJ42083-BS1)

Prepared: 10/30/2024 Analyzed: 10/31/2024

1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	119	7.50	ng/L	150		79.2	50-150				
HFPO-DA (Gen-X)	75.7	8.00	"	80.0		94.6	50-150				
11CL-PF3OUdS	67.0	7.56	"	75.6		88.6	50-150				
9CL-PF3ONS	78.7	7.48	"	74.8		105	50-150				
ADONA	74.3	7.56	"	75.6		98.2	50-150				
Perfluorododecanesulfonic acid (PFDoS)	22.0	1.94	"	38.8		56.7	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	36.1	1.92	"	38.4		94.0	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	91.6	5.00	"	160		57.3	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	765	25.0	"	800		95.6	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	882	25.0	"	800		110	50-150				
N-MeFOSE	346	20.0	"	400		86.6	50-150				
N-MeFOSA	41.0	2.00	"	40.0		103	50-150				
N-EtFOSE	410	20.0	"	400		102	50-150				
N-EtFOSA	39.7	2.00	"	40.0		99.2	50-150				
Surrogate: M3PFBS	27.2		"	23.3		117	25-150				
Surrogate: M5PFHxA	36.3		"	25.0		145	25-150				
Surrogate: M4PFHpA	27.6		"	25.0		111	25-150				
Surrogate: M3PFHxS	29.0		"	23.7		122	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	40.5		"	25.0		162	25-150				
Surrogate: M6PFDA	18.4		"	12.5		147	25-150				
Surrogate: M7PFUdA	15.8		"	12.5		126	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	14.0		"	12.5		112	25-150				
Surrogate: M2PFTeDA	10.2		"	12.5		82.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.40		"	100		4.40	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	35.7		"	23.9		149	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.3		"	50.0		92.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	38.6		"	25.0		154	10-150				
Surrogate: d3-N-MeFOSAA	59.5		"	50.0		119	25-150				
Surrogate: d5-N-EtFOSAA	68.5		"	50.0		137	25-150				
Surrogate: M2-6:2 FTS	48.4		"	47.5		102	25-200				
Surrogate: M2-8:2 FTS	52.5		"	48.0		109	25-200				
Surrogate: M9PFNA	17.0		"	12.5		136	25-150				
Surrogate: M2-4:2 FTS	56.8		"	46.9		121	25-150				
Surrogate: d-N-MeFOSA	24.5		"	25.0		98.1	25-150				
Surrogate: d-N-EtFOSA	18.4		"	25.0		73.6	25-150				
Surrogate: M3HFPO-DA	141		"	100		141	25-150				
Surrogate: d9-N-EtFOSE	167		"	250		66.6	25-150				
Surrogate: d7-N-MeFOSE	217		"	250		86.7	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ42083 - EPA 1633 Prep											
LCS (BJ42083-BS2)						Prepared: 10/30/2024 Analyzed: 10/31/2024					
Perfluorobutanesulfonic acid (PFBS)	6.39	1.77	ng/L	7.08		90.2	50-150				
Perfluorohexanoic acid (PFHxA)	7.47	2.00	"	8.00		93.3	50-150				
Perfluoroheptanoic acid (PFHpA)	10.4	2.00	"	8.00		130	50-150				
Perfluorohexanesulfonic acid (PFHxS)	7.66	1.83	"	7.32		105	50-150				
Perfluorooctanoic acid (PFOA)	7.12	2.00	"	8.00		89.1	50-150				
Perfluorooctanesulfonic acid (PFOS)	7.49	1.86	"	7.44		101	50-150				
Perfluorononanoic acid (PFNA)	6.50	2.00	"	8.00		81.3	50-150				
Perfluorodecanoic acid (PFDA)	6.03	2.00	"	8.00		75.4	50-150				
Perfluoroundecanoic acid (PFUnA)	7.48	2.00	"	8.00		93.5	50-150				
Perfluorododecanoic acid (PFDoA)	7.56	2.00	"	8.00		94.5	50-150				
Perfluorotridecanoic acid (PFTriDA)	8.31	2.00	"	8.00		104	50-150				
Perfluorotetradecanoic acid (PFTA)	7.70	2.00	"	8.00		96.3	50-150				
N-MeFOSAA	8.31	2.00	"	8.00		104	50-150				
N-EtFOSAA	7.78	2.00	"	8.00		97.3	50-150				
Perfluoropentanoic acid (PFPeA)	16.5	4.00	"	16.0		103	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.90	2.00	"	8.00		73.8	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.88	1.91	"	7.64		90.0	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	8.47	1.93	"	7.72		110	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	32.7	7.60	"	30.4		108	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	32.8	7.68	"	30.7		107	50-150				
Perfluoro-n-butanoic acid (PFBA)	23.1	8.00	"	32.0		72.1	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	14.8	3.56	"	14.2		104	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	20.8	4.00	"	16.0		130	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	2.97	4.00	"	16.0		18.6	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	20.5	4.00	"	16.0		128	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	7.65	1.88	"	7.52		102	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	25.7	7.50	"	30.0		85.7	50-150				
HFPO-DA (Gen-X)	15.3	8.00	"	16.0		95.6	50-150				
11CL-PF3OUdS	14.2	7.56	"	15.1		93.9	50-150				
9CL-PF3ONS	14.7	7.48	"	15.0		98.4	50-150				
ADONA	15.1	7.56	"	15.1		100	50-150				
Perfluorododecanesulfonic acid (PFDoS)	4.22	1.94	"	7.76		54.4	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	6.82	1.92	"	7.68		88.8	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	18.1	5.00	"	32.0		56.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	157	25.0	"	160		97.9	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	212	25.0	"	160		132	50-150				
N-MeFOSE	75.1	20.0	"	80.0		93.9	50-150				
N-MeFOSA	10.0	2.00	"	8.00		126	50-150				
N-EtFOSE	74.3	20.0	"	80.0		92.9	50-150				
N-EtFOSA	7.87	2.00	"	8.00		98.4	50-150				
Surrogate: M3PFBS	25.4		"	23.3		109	25-150				
Surrogate: M5PFHxA	30.2		"	25.0		121	25-150				
Surrogate: M4PFHpA	25.1		"	25.0		100	25-150				
Surrogate: M3PFHxS	27.1		"	23.7		114	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	30.7		"	25.0		123	25-150				
Surrogate: M6PFDA	17.0		"	12.5		136	25-150				
Surrogate: M7PFUdA	13.2		"	12.5		106	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ42083 - EPA 1633 Prep

LCS (BJ42083-BS2)

Prepared: 10/30/2024 Analyzed: 10/31/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	13.6		ng/L	12.5		109	25-150				
Surrogate: M2PFTeDA	10.2		"	12.5		81.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.88		"	100		3.88	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	30.1		"	23.9		126	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	38.0		"	50.0		76.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	33.5		"	25.0		134	10-150				
Surrogate: d3-N-MeFOSAA	75.9		"	50.0		152	25-150				
Surrogate: d5-N-EtFOSAA	80.9		"	50.0		162	25-150				
Surrogate: M2-6:2 FTS	46.0		"	47.5		96.8	25-200				
Surrogate: M2-8:2 FTS	105		"	48.0		219	25-200				
Surrogate: M9PFNA	13.6		"	12.5		109	25-150				
Surrogate: M2-4:2 FTS	56.1		"	46.9		120	25-150				
Surrogate: d-N-MeFOSA	18.9		"	25.0		75.6	25-150				
Surrogate: d-N-EtFOSA	17.6		"	25.0		70.3	25-150				
Surrogate: M3HFPO-DA	124		"	100		124	25-150				
Surrogate: d9-N-EtFOSE	175		"	250		70.0	25-150				
Surrogate: d7-N-MeFOSE	201		"	250		80.5	25-150				

Batch BK40044 - EPA 1633 Prep

Blank (BK40044-BLK1)

Prepared: 11/01/2024 Analyzed: 11/04/2024

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L
Perfluorohexanoic acid (PFHxA)	ND	2.00	"
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"
Perfluorooctanoic acid (PFOA)	ND	2.00	"
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"
Perfluorononanoic acid (PFNA)	ND	2.00	"
Perfluorodecanoic acid (PFDA)	ND	2.00	"
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"
Perfluorododecanoic acid (PFDoA)	ND	2.00	"
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"
N-MeFOSAA	ND	2.00	"
N-EtFOSAA	ND	2.00	"
Perfluoropentanoic acid (PFPeA)	ND	4.00	"
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	4.98	7.60	"
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.56	"
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.00	"
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40044 - EPA 1633 Prep

Blank (BK40044-BLK1)

Prepared: 11/01/2024 Analyzed: 11/04/2024

Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	20.1		"	23.3		86.1	25-150				
Surrogate: M5PFHxA	24.4		"	25.0		97.5	25-150				
Surrogate: M4PFHpA	18.8		"	25.0		75.4	25-150				
Surrogate: M3PFHxS	21.4		"	23.7		90.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	27.7		"	25.0		111	25-150				
Surrogate: M6PFDA	12.5		"	12.5		99.6	25-150				
Surrogate: M7PFUdA	9.88		"	12.5		79.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	7.71		"	12.5		61.7	25-150				
Surrogate: M2PFTeDA	4.58		"	12.5		36.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	20.8		"	100		20.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	23.5		"	24.0		98.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	44.0		"	50.0		88.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	24.7		"	25.0		98.9	10-150				
Surrogate: d3-N-MeFOSAA	46.8		"	50.0		93.6	25-150				
Surrogate: d5-N-EtFOSAA	47.2		"	50.0		94.5	25-150				
Surrogate: M2-6:2 FTS	42.9		"	47.6		90.2	25-200				
Surrogate: M2-8:2 FTS	42.6		"	48.0		88.7	25-200				
Surrogate: M9PFNA	9.75		"	12.5		78.0	25-150				
Surrogate: M2-4:2 FTS	52.3		"	46.9		111	25-150				
Surrogate: d-N-MeFOSA	13.3		"	25.0		53.1	25-150				
Surrogate: d-N-EtFOSA	9.72		"	25.0		38.9	25-150				
Surrogate: M3HFPO-DA	91.5		"	100		91.5	25-150				
Surrogate: d9-N-EtFOSE	109		"	250		43.7	25-150				
Surrogate: d7-N-MeFOSE	144		"	250		57.7	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40044 - EPA 1633 Prep

LCS (BK40044-BS1)

Prepared: 11/01/2024 Analyzed: 11/04/2024

Perfluorobutanesulfonic acid (PFBS)	34.2	1.77	ng/L	35.4		96.6	50-150				
Perfluorohexanoic acid (PFHxA)	40.4	2.00	"	40.0		101	50-150				
Perfluoroheptanoic acid (PFHpA)	54.2	2.00	"	40.0		136	50-150				
Perfluorohexanesulfonic acid (PFHxS)	38.8	1.83	"	36.6		106	50-150				
Perfluorooctanoic acid (PFOA)	36.4	2.00	"	40.0		91.0	50-150				
Perfluorooctanesulfonic acid (PFOS)	39.2	1.86	"	37.2		105	50-150				
Perfluorononanoic acid (PFNA)	33.0	2.00	"	40.0		82.4	50-150				
Perfluorodecanoic acid (PFDA)	30.7	2.00	"	40.0		76.8	50-150				
Perfluoroundecanoic acid (PFUnA)	38.8	2.00	"	40.0		97.0	50-150				
Perfluorododecanoic acid (PFDoA)	38.5	2.00	"	40.0		96.1	50-150				
Perfluorotridecanoic acid (PFTriDA)	48.9	2.00	"	40.0		122	50-150				
Perfluorotetradecanoic acid (PFTA)	38.6	2.00	"	40.0		96.4	50-150				
N-MeFOSAA	40.0	2.00	"	40.0		100	50-150				
N-EtFOSAA	38.3	2.00	"	40.0		95.8	50-150				
Perfluoropentanoic acid (PFPeA)	82.2	4.00	"	80.0		103	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	29.0	2.00	"	40.0		72.6	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	39.5	1.91	"	38.2		103	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	39.8	1.93	"	38.6		103	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	133	7.60	"	152		87.3	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	153	7.68	"	154		99.3	50-150				
Perfluoro-n-butanoic acid (PFBA)	162	8.00	"	160		101	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	81.1	3.56	"	71.2		114	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	84.6	4.00	"	80.0		106	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	48.6	4.00	"	80.0		60.8	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	83.5	4.00	"	80.0		104	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	39.0	1.88	"	37.6		104	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	132	7.50	"	150		88.1	50-150				
HFPO-DA (Gen-X)	89.3	8.00	"	80.0		112	50-150				
11CL-PF3OUdS	72.3	7.56	"	75.6		95.6	50-150				
9CL-PF3ONS	81.8	7.48	"	74.8		109	50-150				
ADONA	85.4	7.56	"	75.6		113	50-150				
Perfluorododecanesulfonic acid (PFDoS)	24.5	1.94	"	38.8		63.1	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	37.9	1.92	"	38.4		98.7	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	147	5.00	"	160		91.7	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	829	25.0	"	800		104	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	943	25.0	"	800		118	50-150				
N-MeFOSE	347	20.0	"	400		86.9	50-150				
N-MeFOSA	44.0	2.00	"	40.0		110	50-150				
N-EtFOSE	398	20.0	"	400		99.5	50-150				
N-EtFOSA	35.0	2.00	"	40.0		87.4	50-150				
Surrogate: M3PFBS	20.8		"	23.3		89.1	25-150				
Surrogate: M5PFHxA	24.3		"	25.0		97.3	25-150				
Surrogate: M4PFHpA	18.7		"	25.0		74.7	25-150				
Surrogate: M3PFHxS	21.9		"	23.7		92.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	25.4		"	25.0		102	25-150				
Surrogate: M6PFDA	14.0		"	12.5		112	25-150				
Surrogate: M7PFUdA	12.5		"	12.5		100	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40044 - EPA 1633 Prep

LCS (BK40044-BS1)

Prepared: 11/01/2024 Analyzed: 11/04/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.79		ng/L	12.5		70.3	25-150				
Surrogate: M2PFTeDA	5.72		"	12.5		45.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	23.2		"	100		23.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.1		"	24.0		92.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	44.1		"	50.0		88.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.7		"	25.0		94.7	10-150				
Surrogate: d3-N-MeFOSAA	44.3		"	50.0		88.6	25-150				
Surrogate: d5-N-EtFOSAA	45.9		"	50.0		91.8	25-150				
Surrogate: M2-6:2 FTS	47.9		"	47.6		101	25-200				
Surrogate: M2-8:2 FTS	48.8		"	48.0		102	25-200				
Surrogate: M9PFNA	12.1		"	12.5		97.0	25-150				
Surrogate: M2-4:2 FTS	52.7		"	46.9		112	25-150				
Surrogate: d-N-MeFOSA	11.5		"	25.0		46.2	25-150				
Surrogate: d-N-EtFOSA	9.04		"	25.0		36.2	25-150				
Surrogate: M3HFPO-DA	91.8		"	100		91.8	25-150				
Surrogate: d9-N-EtFOSE	116		"	250		46.2	25-150				
Surrogate: d7-N-MeFOSE	139		"	250		55.7	25-150				

LCS (BK40044-BS2)

Prepared: 11/01/2024 Analyzed: 11/04/2024

Perfluorobutanesulfonic acid (PFBS)	7.22	1.77	ng/L	7.08		102	50-150				
Perfluorohexanoic acid (PFHxA)	7.52	2.00	"	8.00		94.0	50-150				
Perfluoroheptanoic acid (PFHpA)	11.8	2.00	"	8.00		148	50-150				
Perfluorohexanesulfonic acid (PFHxS)	7.31	1.83	"	7.32		99.8	50-150				
Perfluorooctanoic acid (PFOA)	7.40	2.00	"	8.00		92.5	50-150				
Perfluorooctanesulfonic acid (PFOS)	8.13	1.86	"	7.44		109	50-150				
Perfluorononanoic acid (PFNA)	9.01	2.00	"	8.00		113	50-150				
Perfluorodecanoic acid (PFDA)	6.78	2.00	"	8.00		84.8	50-150				
Perfluoroundecanoic acid (PFUnA)	8.13	2.00	"	8.00		102	50-150				
Perfluorododecanoic acid (PFDoA)	8.10	2.00	"	8.00		101	50-150				
Perfluorotridecanoic acid (PFTriDA)	10.5	2.00	"	8.00		132	50-150				
Perfluorotetradecanoic acid (PFTA)	9.02	2.00	"	8.00		113	50-150				
N-MeFOSAA	9.01	2.00	"	8.00		113	50-150				
N-EtFOSAA	8.04	2.00	"	8.00		100	50-150				
Perfluoropentanoic acid (PFPeA)	16.6	4.00	"	16.0		104	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.54	2.00	"	8.00		81.7	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.98	1.91	"	7.64		104	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	6.24	1.93	"	7.72		80.8	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	31.3	7.60	"	30.4		103	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	31.8	7.68	"	30.7		104	50-150				
Perfluoro-n-butanoic acid (PFBA)	33.6	8.00	"	32.0		105	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	16.1	3.56	"	14.2		113	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	17.4	4.00	"	16.0		109	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	17.5	4.00	"	16.0		109	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	16.2	4.00	"	16.0		101	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	8.03	1.88	"	7.52		107	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40044 - EPA 1633 Prep

LCS (BK40044-BS2)

Prepared: 11/01/2024 Analyzed: 11/04/2024

1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	27.8	7.50	ng/L	30.0		92.7	50-150				
HFPO-DA (Gen-X)	16.8	8.00	"	16.0		105	50-150				
11CL-PF3OUdS	15.3	7.56	"	15.1		101	50-150				
9CL-PF3ONS	16.7	7.48	"	15.0		112	50-150				
ADONA	17.8	7.56	"	15.1		118	50-150				
Perfluorododecanesulfonic acid (PFDoS)	5.06	1.94	"	7.76		65.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	6.83	1.92	"	7.68		88.9	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	31.6	5.00	"	32.0		98.8	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	172	25.0	"	160		107	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	184	25.0	"	160		115	50-150				
N-MeFOSE	70.0	20.0	"	80.0		87.5	50-150				
N-MeFOSA	8.67	2.00	"	8.00		108	50-150				
N-EtFOSE	85.8	20.0	"	80.0		107	50-150				
N-EtFOSA	8.85	2.00	"	8.00		111	50-150				
Surrogate: M3PFBS	21.1		"	23.3		90.4	25-150				
Surrogate: M5PFHxA	25.2		"	25.0		101	25-150				
Surrogate: M4PFHpA	20.3		"	25.0		81.1	25-150				
Surrogate: M3PFHxS	22.8		"	23.7		96.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	29.1		"	25.0		116	25-150				
Surrogate: M6PFDA	13.7		"	12.5		110	25-150				
Surrogate: M7PFUdA	12.4		"	12.5		99.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	7.14		"	12.5		57.1	25-150				
Surrogate: M2PFTeDA	5.43		"	12.5		43.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	102		"	100		102	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	24.0		"	24.0		100	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	47.9		"	50.0		95.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.8		"	25.0		95.2	10-150				
Surrogate: d3-N-MeFOSAA	44.5		"	50.0		88.9	25-150				
Surrogate: d5-N-EtFOSAA	47.0		"	50.0		94.0	25-150				
Surrogate: M2-6:2 FTS	43.8		"	47.6		92.1	25-200				
Surrogate: M2-8:2 FTS	46.3		"	48.0		96.5	25-200				
Surrogate: M9PFNA	11.5		"	12.5		92.1	25-150				
Surrogate: M2-4:2 FTS	54.9		"	46.9		117	25-150				
Surrogate: d-N-MeFOSA	8.20		"	25.0		32.8	25-150				
Surrogate: d-N-EtFOSA	6.63		"	25.0		26.5	25-150				
Surrogate: M3HFPO-DA	93.2		"	100		93.2	25-150				
Surrogate: d9-N-EtFOSE	116		"	250		46.4	25-150				
Surrogate: d7-N-MeFOSE	154		"	250		61.6	25-150				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24J1608-01	FMW-15	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1608-03	FMW-14	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1608-05	FMW-23	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1608-06	MW-53	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1608-07	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1608-08	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-CCV-H	The CCV recovery for this PFAS compound was above control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.



If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



Technical Report

prepared for:

WSP USA, Inc. (White Plains, NY)

500 Summit Lake Drive, Suite 450

Valhalla NY, 10595

Attention: John Benvegna

Report Date: 11/05/2024

Client Project ID: Westchester County Airport

York Project (SDG) No.: 24J1669

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/05/2024
Client Project ID: Westchester County Airport
York Project (SDG) No.: 24J1669

WSP USA, Inc. (White Plains, NY)
500 Summit Lake Drive, Suite 450
Valhalla NY, 10595
Attention: John Benvegna

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 25, 2024 and listed below. The project was identified as your project: **Westchester County Airport**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24J1669-01	Hanger E MW-1	Ground Water	10/24/2024	10/25/2024
24J1669-02	Hanger E MW-4	Ground Water	10/24/2024	10/25/2024
24J1669-03	FMW-24	Ground Water	10/24/2024	10/25/2024
24J1669-04	FMW-2R	Ground Water	10/24/2024	10/25/2024
24J1669-05	MW-7S	Ground Water	10/24/2024	10/25/2024
24J1669-06	FMW-35	Ground Water	10/24/2024	10/25/2024
24J1669-07	FMW-40	Ground Water	10/24/2024	10/25/2024
24J1669-08	FMW-31	Ground Water	10/24/2024	10/25/2024
24J1669-09	MW-16	Ground Water	10/24/2024	10/25/2024
24J1669-10	Field Duplicate	Ground Water	10/24/2024	10/25/2024
24J1669-11	Field Blank	Ground Water	10/24/2024	10/25/2024
24J1669-12	Trip Blank	Water	10/24/2024	10/25/2024

General Notes for York Project (SDG) No.: 24J1669

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 11/05/2024





Sample Information

Client Sample ID: Hanger E MW-1

York Sample ID: 24J1669-01

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 10:40 am

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
71-55-6	1,1,1-Trichloroethane	5.45		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
75-34-3	1,1-Dichloroethane	5.93		ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
75-35-4	1,1-Dichloroethylene	10.1		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
107-06-2	1,2-Dichloroethane	3.15		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO



Sample Information

Client Sample ID: Hanger E MW-1

York Sample ID: 24J1669-01

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 10:40 am

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	3410	CCVE, ICVE	ug/L	353	800	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/29/2024 08:00	10/29/2024 14:10	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 16:49	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
67-64-1	Acetone	ND	CAL-E, CCVE	ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
107-02-8	Acrolein	ND	CAL-E	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 16:49	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 16:49	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
74-83-9	Bromomethane	ND	CCVE, QL-02	ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
75-00-3	Chloroethane	12.1		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO
156-59-2	cis-1,2-Dichloroethylene	2.14		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 16:49	FO



Sample Information

Client Sample ID: Hanger E MW-1

York Sample ID: 24J1669-01

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 10:40 am

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
108-87-2	Methylcyclohexane	0.690		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO



Sample Information

Client Sample ID: Hanger E MW-1

York Sample ID: 24J1669-01

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 10:40 am

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 16:49	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 16:49	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 16:49	FO
75-85-4	tert-Amyl alcohol (TAA)	291	CCVE	ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/28/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 16:49	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 16:49	FO
75-65-0	tert-Butyl alcohol (TBA)	8.50	CCVE	ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/28/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 16:49	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 16:49	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 16:49	FO
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 16:49	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 16:49	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 16:49	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 16:49	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 16:49	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 16:49	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 16:49	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 16:49	FO
75-01-4	Vinyl Chloride	91.2		ug/L	4.69	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 14:10	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/28/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 16:49	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.8 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	96.1 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %	79-122								

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Hanger E MW-1

York Sample ID: 24J1669-01

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 10:40 am

Date Received

10/25/2024

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	572		ug/L	6.00	20	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	10/30/2024 12:51	11/01/2024 14:48	SS
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	%	S-06	36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	1060		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	616	PF-CCV -H	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
335-67-1	Perfluorooctanoic acid (PFOA)	173		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	14.2	J	ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
375-95-1	Perfluorononanoic acid (PFNA)	19.2	J	ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	3900		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM



Sample Information

Client Sample ID: Hanger E MW-1

York Sample ID: 24J1669-01

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 10:40 am

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	347		ng/L	75.0	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	20.5	76.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	519		ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 20:02	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 20:02	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 20:02	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 20:02	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:02	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:02	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:02	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:02	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:02	AM
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:02	AM
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:02	AM
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:02	AM
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:02	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	145 %	25-150								



Sample Information

Client Sample ID: Hanger E MW-1

York Sample ID: 24J1669-01

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 10:40 am

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C5PFHXA	Surrogate: M5PFHxA	148 %			25-150						
13C4PFHPA	Surrogate: M4PFHPA	124 %			25-150						
13C3PFHXS	Surrogate: M3PFHXS	154 %	PFSu-H		25-150						
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	167 %	PFSu-H		25-150						
13C6PFDA	Surrogate: M6PFDA	144 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	131 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	72.7 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	29.1 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	39.4 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	164 %	PFSu-H		25-150						
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	132 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	156 %	PFSu-H		10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	138 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	142 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	129 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	126 %			25-200						
13C9PFNA	Surrogate: M9PFNA	143 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	168 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	67.4 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	35.7 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	152 %	PFSu-H		25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	38.2 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	68.4 %			25-150						

Glycols, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 13:00	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 13:00	GXB
	Surrogate Recoveries	Result		Acceptance Range						
110-63-4	Surrogate: 1,4-Butanediol			30-130						



Sample Information

Client Sample ID: Hanger E MW-4

York Sample ID: 24J1669-02

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 10:50 am

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	647		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	877	PF-CCV -H	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	19.7		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
335-67-1	Perfluorooctanoic acid (PFOA)	326		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	104		ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
375-95-1	Perfluorononanoic acid (PFNA)	55.8		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	1670		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfon ic acid (6:2 FTS)	1230		ng/L	75.0	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfon ic acid (8:2 FTS)	266		ng/L	20.5	76.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	333		ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 20:50	AM



Sample Information

Client Sample ID: Hanger E MW-4

York Sample ID: 24J1669-02

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 10:50 am

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 20:50	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 20:50	AM
863090-89-5	Perfluoro-5-oxaheptanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 20:50	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:50	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 20:50	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:50	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:50	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:50	AM
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:50	AM
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:50	AM
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:50	AM
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 20:50	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	127 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	134 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	111 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	133 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	155 %	25-150
13C6PFDA	Surrogate: M6PFDA	129 %	25-150
13C7PFUNA	Surrogate: M7PFUDa	121 %	25-150



Sample Information

Client Sample ID: Hanger E MW-4

York Sample ID: 24J1669-02

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 10:50 am

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	78.2 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	37.0 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	37.9 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	132 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	117 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	134 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	118 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	129 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	117 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	115 %			25-200						
13C9PFNA	Surrogate: M9PFNA	132 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	143 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	49.7 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	31.5 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	134 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	35.7 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	62.7 %			25-150						

Sample Information

Client Sample ID: FMW-24

York Sample ID: 24J1669-03

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 11:25 am

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.61		ng/L	0.520	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	5.62		ng/L	0.387	2.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	7.03	PF-CCV -H	ng/L	0.785	2.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	15.5		ng/L	0.752	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM



Sample Information

Client Sample ID: FMW-24

York Sample ID: 24J1669-03

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 11:25 am

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	13.3		ng/L	0.465	2.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	36.7		ng/L	0.907	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
375-95-1	Perfluorononanoic acid (PFNA)	4.44		ng/L	0.575	2.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
335-76-2	Perfluorodecanoic acid (PFDA)	0.869	J	ng/L	0.830	2.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	5.62		ng/L	1.25	2.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.973	2.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.819	2.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.763	2.21	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.874	2.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.14	2.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	5.76		ng/L	0.254	4.42	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.973	2.21	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.01	2.11	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.46	2.13	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	8.30	8.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.27	8.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.365	8.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.553	3.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:07	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.37	4.42	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:07	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.277	4.42	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:07	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.409	4.42	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:07	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1.82	J	ng/L	0.841	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.98	8.30	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM



Sample Information

Client Sample ID: FMW-24

York Sample ID: 24J1669-03

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 11:25 am

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.57	8.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.53	8.36	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.774	8.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
919005-14-4	ADONA	ND		ng/L	0.586	8.36	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.03	2.15	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:07	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.951	2.12	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:07	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.25	5.53	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:07	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	8.11	27.7	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:07	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.5	27.7	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:07	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.41	22.1	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:07	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.75	2.21	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:07	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.41	22.1	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:07	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.99	2.21	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:07	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	117 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	123 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	99.0 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	119 %	25-150
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	131 %	25-150
13C6PFDA	Surrogate: M6PFDA	133 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	84.4 %	25-150
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	58.2 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	32.6 %	10-150
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	20.5 %	25-150
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	110 %	25-150
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	115 %	25-150



Sample Information

Client Sample ID: FMW-24

York Sample ID: 24J1669-03

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 11:25 am

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	122 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	104 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	99.6 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	102 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	95.4 %			25-200						
13C9PFNA	Surrogate: M9PFNA	119 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	134 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	60.4 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	36.5 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	123 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	29.7 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	42.0 %			25-150						

Sample Information

Client Sample ID: FMW-2R

York Sample ID: 24J1669-04

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 11:50 am

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.57	J	ng/L	0.442	1.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	0.728	J	ng/L	0.329	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.44	J	ng/L	0.667	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.28	J	ng/L	0.639	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
335-67-1	Perfluorooctanoic acid (PFOA)	3.43		ng/L	0.395	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.47		ng/L	0.771	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
375-95-1	Perfluorononanoic acid (PFNA)	0.502	J	ng/L	0.489	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.705	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM



Sample Information

Client Sample ID: FMW-2R

York Sample ID: 24J1669-04

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 11:50 am

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.06	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.827	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.695	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.648	1.88	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.742	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.968	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.679	J	ng/L	0.216	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.827	1.88	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.855	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.24	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.05	7.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.93	7.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.310	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.470	3.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:23	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.01	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:23	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.235	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:23	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.348	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:23	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.714	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.68	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.04	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.30	7.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.658	7.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
919005-14-4	ADONA	ND		ng/L	0.498	7.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM



Sample Information

Client Sample ID: FMW-2R		York Sample ID: 24J1669-04			
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1669	Westchester County Airport	Ground Water	October 24, 2024 11:50 am	10/25/2024	

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.874	1.82	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:23	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.808	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:23	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.91	4.70	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:23	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.89	23.5	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:23	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.90	23.5	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:23	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.75	18.8	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:23	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.48	1.88	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:23	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.75	18.8	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:23	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.69	1.88	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:23	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	125 %			25-150						
13C5PFHXA	Surrogate: M5PFHxA	143 %			25-150						
13C4PFHPA	Surrogate: M4PFHpA	107 %			25-150						
13C3PFHXS	Surrogate: M3PFHxS	136 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	152 %	PFSu-H		25-150						
13C6PFDA	Surrogate: M6PFDA	166 %	PFSu-H		25-150						
13C7PFUNA	Surrogate: M7PFUdA	116 %			25-150						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	78.3 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	35.1 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	102 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	137 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	149 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	129 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	116 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	120 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	112 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	107 %			25-200						
13C9PFNA	Surrogate: M9PFNA	142 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	142 %			25-150						



Sample Information

Client Sample ID: FMW-2R

York Sample ID: 24J1669-04

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 11:50 am

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
936109-37-4	Surrogate: d-N-MeFOSA	55.7 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	31.7 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	145 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	32.3 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	54.9 %			25-150						

Sample Information

Client Sample ID: MW-7S

York Sample ID: 24J1669-05

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 12:50 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
75-34-3	1,1-Dichloroethane	13.8		ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO



Sample Information

Client Sample ID: MW-7S

York Sample ID: 24J1669-05

York Project (SDG) No.
24J1669

Client Project ID
Westchester County Airport

Matrix
Ground Water

Collection Date/Time
October 24, 2024 12:50 pm

Date Received
10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
123-91-1	1,4-Dioxane	ND	CCVE, ICVE	ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
67-64-1	Acetone	1.65	CAL-E, CCVE	ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
107-02-8	Acrolein	ND	CAL-E	ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO



Sample Information

Client Sample ID: MW-7S

York Sample ID: 24J1669-05

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 12:50 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
74-83-9	Bromomethane	ND	CCVE, QL-02	ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
156-59-2	cis-1,2-Dichloroethylene	0.440		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO



Sample Information

Client Sample ID: MW-7S

York Sample ID: 24J1669-05

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 12:50 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
75-85-4	tert-Amyl alcohol (TAA)	ND	CCVE	ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
156-60-5	trans-1,2-Dichloroethylene	0.300		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 13:58	FO



Sample Information

Client Sample ID: MW-7S

York Sample ID: 24J1669-05

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 12:50 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:58	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 13:58	FO
75-01-4	Vinyl Chloride	10.9		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:58	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 13:58	FO
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	110 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	96.4 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	98.9 %			79-122						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	5.94		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	10/30/2024 12:51	11/01/2024 12:28	SS
Surrogate Recoveries		Result			Acceptance Range					
17647-74-4	Surrogate: 1,4-Dioxane-d8	60.0 %			36.6-118					

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	4.76		ng/L	0.522	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	14.9		ng/L	0.389	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	15.8	PF-CCV	ng/L	0.789	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	17.9	-H	ng/L	0.756	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
335-67-1	Perfluorooctanoic acid (PFOA)	15.2		ng/L	0.467	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	60.5		ng/L	0.911	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
375-95-1	Perfluorononanoic acid (PFNA)	7.16		ng/L	0.578	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM



Sample Information

Client Sample ID: MW-7S

York Sample ID: 24J1669-05

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 12:50 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	2.22	J	ng/L	0.833	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.26	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.978	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.822	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.767	2.22	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.878	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
2991-50-6	N-EtFOSAA	2.09	J	ng/L	1.14	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	19.1		ng/L	0.256	4.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	1.07	J	ng/L	0.978	2.22	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.01	2.12	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.47	2.14	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	8.67		ng/L	8.33	8.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.28	8.53	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	12.1		ng/L	0.367	8.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.556	3.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:39	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.38	4.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:39	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.278	4.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:39	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.411	4.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:39	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1.92	J	ng/L	0.844	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.99	8.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.59	8.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.53	8.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.778	8.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM



Sample Information

Client Sample ID: MW-7S

York Sample ID: 24J1669-05

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 12:50 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	ADONA	ND		ng/L	0.589	8.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.03	2.16	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:39	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.956	2.13	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:39	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	2.26	5.56	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:39	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	8.14	27.8	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:39	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.5	27.8	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:39	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.43	22.2	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:39	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.76	2.22	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:39	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.43	22.2	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:39	AM
4151-50-2	* N-EtFOSA	ND		ng/L	2.00	2.22	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:39	AM

Surrogate Recoveries		Result	Acceptance Range	
M3PFBS	Surrogate: M3PFBS	113 %		25-150
13C5PFHXA	Surrogate: M5PFHxA	131 %		25-150
13C4PFHPA	Surrogate: M4PFHpA	86.0 %		25-150
13C3PFHXS	Surrogate: M3PFHxS	121 %		25-150
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	150 %	PFSu-H	25-150
13C6PFDA	Surrogate: M6PFDA	166 %	PFSu-H	25-150
13C7PFUNA	Surrogate: M7PFUDa	89.2 %		25-150
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	63.6 %		25-150
13C2PFTEDA	Surrogate: M2PFTeDA	52.2 %		10-150
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	18.3 %	PFSu-L	25-150
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	162 %	PFSu-H	25-150
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	122 %		25-150
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	141 %		10-150
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	170 %	PFSu-H	25-150
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	107 %		25-150
M2-6:2FTS	Surrogate: M2-6:2 FTS	278 %	PFSu-H	25-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	327 %	PFSu-H	25-200



Sample Information

Client Sample ID: MW-7S

York Sample ID: 24J1669-05

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 12:50 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C9PFNA	Surrogate: M9PFNA	113 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	308 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	60.3 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	41.3 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	106 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	50.9 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	87.9 %			25-150						

Sample Information

Client Sample ID: FMW-35

York Sample ID: 24J1669-06

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 1:30 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	4.51		ng/L	0.482	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	6.51		ng/L	0.359	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	6.34	PF-CCV -H	ng/L	0.727	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	54.4		ng/L	0.697	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
335-67-1	Perfluorooctanoic acid (PFOA)	12.5		ng/L	0.430	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	94.9		ng/L	0.840	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
375-95-1	Perfluorononanoic acid (PFNA)	2.11		ng/L	0.533	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.768	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.16	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.902	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.758	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.707	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM



Sample Information

Client Sample ID: FMW-35

York Sample ID: 24J1669-06

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 1:30 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.809	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.06	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	6.69		ng/L	0.236	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.902	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	1.40	J	ng/L	0.932	1.96	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.35	1.98	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.68	7.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.10	7.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	10.3		ng/L	0.338	8.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.512	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:55	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.19	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:55	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.256	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:55	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.379	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 21:55	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	3.74		ng/L	0.779	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.83	7.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.31	8.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.41	7.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.717	7.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
919005-14-4	ADONA	ND		ng/L	0.543	7.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.953	1.99	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:55	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.881	1.97	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 21:55	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.08	5.12	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:55	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.51	25.6	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:55	AM



Sample Information

Client Sample ID: FMW-35

York Sample ID: 24J1669-06

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 1:30 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.70	25.6	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:55	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.09	20.5	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:55	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.62	2.05	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:55	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.09	20.5	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:55	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.84	2.05	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 21:55	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	109 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	125 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	98.4 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	112 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	125 %	25-150								
13C6PFDA	Surrogate: M6PFDA	148 %	25-150								
13C7PFUNA	Surrogate: M7PFUdA	108 %	25-150								
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	53.3 %	25-150								
13C2PFTEDA	Surrogate: M2PFTeDA	33.8 %	10-150								
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	92.5 %	25-150								
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	122 %	25-150								
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	119 %	25-150								
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	106 %	10-150								
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	93.6 %	25-150								
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	97.2 %	25-150								
M2-6:2FTS	Surrogate: M2-6:2 FTS	115 %	25-200								
M2-8:2FTS	Surrogate: M2-8:2 FTS	96.6 %	25-200								
13C9PFNA	Surrogate: M9PFNA	111 %	25-150								
M2-4:2FTS	Surrogate: M2-4:2 FTS	172 %	PFSu-H	25-150							
936109-37-4	Surrogate: d-N-MeFOSA	34.2 %	25-150								
936109-40-9	Surrogate: d-N-EtFOSA	24.0 %	PFSu-L	25-150							
M3HFPO-DA	Surrogate: M3HFPO-DA	110 %	25-150								
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	24.4 %	PFSu-L	25-150							
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	40.0 %	25-150								



Sample Information

Client Sample ID: FMW-40

York Sample ID: 24J1669-07

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 1:50 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
123-91-1	1,4-Dioxane	ND	CCVE, ICVE	ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO



Sample Information

Client Sample ID: FMW-40

York Sample ID: 24J1669-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24J1669

Westchester County Airport

Ground Water

October 24, 2024 1:50 pm

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
67-64-1	Acetone	ND	CAL-E, CCVE	ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
107-02-8	Acrolein	ND	CAL-E	ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
74-83-9	Bromomethane	ND	CCVE, QL-02	ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO



Sample Information

Client Sample ID: FMW-40

York Sample ID: 24J1669-07

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 1:50 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO



Sample Information

Client Sample ID: FMW-40

York Sample ID: 24J1669-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24J1669

Westchester County Airport

Ground Water

October 24, 2024 1:50 pm

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:27	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:27	FO
75-85-4	tert-Amyl alcohol (TAA)	ND	CCVE	ug/L	4.16	8.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 14:27	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 14:27	FO
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 14:27	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:27	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:27	FO
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:27	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:27	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:27	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:27	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:27	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:27	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:27	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 14:27	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:27	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:27	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	97.6 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615							132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371							FAX (203) 357-0166	ClientServices@		



Sample Information

Client Sample ID: FMW-40

York Sample ID: 24J1669-07

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 1:50 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	10.8		ng/L	0.489	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	101		ng/L	0.364	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	118	PF-CCV -H	ng/L	0.738	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	466		ng/L	0.707	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
335-67-1	Perfluorooctanoic acid (PFOA)	59.4		ng/L	0.437	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1210		ng/L	4.26	9.67	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 16:23	AM
375-95-1	Perfluorononanoic acid (PFNA)	92.3		ng/L	0.541	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
335-76-2	Perfluorodecanoic acid (PFDA)	3.75		ng/L	0.780	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	15.2		ng/L	1.17	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.915	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.769	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.717	2.08	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.821	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.07	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	112		ng/L	0.239	4.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.915	2.08	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	18.6		ng/L	0.946	1.99	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.37	2.01	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfon ic acid (6:2 FTS)	18.9		ng/L	7.80	7.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.13	7.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	47.7		ng/L	0.343	8.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.520	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:11	AM



Sample Information

Client Sample ID: FMW-40

York Sample ID: 24J1669-07

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 1:50 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.22	4.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:11	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.260	4.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:11	AM
863090-89-5	Perfluoro-5-oxaheptanoic acid (PFMBA)	ND		ng/L	0.385	4.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:11	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	21.9		ng/L	0.790	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.86	7.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.36	8.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.43	7.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.728	7.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
919005-14-4	ADONA	ND		ng/L	0.551	7.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.967	2.02	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:11	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.894	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:11	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	2.11	5.20	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:11	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.62	26.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:11	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.84	26.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:11	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.15	20.8	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:11	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.64	2.08	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:11	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.15	20.8	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:11	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.87	2.08	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:11	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	105 %	25-150								
M3PFBS	Surrogate: M3PFBS	124 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	116 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	119 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	89.8 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	93.8 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	114 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	114 %	25-150								



Sample Information

Client Sample ID: FMW-40

York Sample ID: 24J1669-07

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 1:50 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	114 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	135 %			25-150						
13C6PFDA	Surrogate: M6PFDA	120 %			25-150						
13C6PFDA	Surrogate: M6PFDA	101 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	74.1 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	75.7 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	44.2 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	38.4 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	21.1 %			10-150						
13C2PFTEDA	Surrogate: M2PFTeDA	21.0 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	86.6 %			25-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	86.5 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	106 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	119 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	101 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	121 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	83.3 %			10-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	103 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	83.6 %			25-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	95.8 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	69.6 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	83.4 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	84.9 %			25-200						
M2-6:2FTS	Surrogate: M2-6:2 FTS	113 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	74.5 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	92.2 %			25-200						
13C9PFNA	Surrogate: M9PFNA	97.2 %			25-150						
13C9PFNA	Surrogate: M9PFNA	112 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	106 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	139 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	31.4 %			25-150						



Sample Information

Client Sample ID: FMW-40

York Sample ID: 24J1669-07

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 1:50 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
936109-37-4	Surrogate: d-N-MeFOSA	30.1 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	27.2 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	28.2 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	108 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	120 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	23.8 %	PFSu-L		25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	27.9 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	27.4 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	34.7 %			25-150						

Sample Information

Client Sample ID: FMW-31

York Sample ID: 24J1669-08

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 2:15 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 14:55	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 14:55	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 14:55	FO



Sample Information

Client Sample ID: FMW-31

York Sample ID: 24J1669-08

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 2:15 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
123-91-1	1,4-Dioxane	ND	CCVE, ICVE	ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
67-64-1	Acetone	ND	CAL-E, CCVE	ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
107-02-8	Acrolein	ND	CAL-E	ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO



Sample Information

Client Sample ID: FMW-31

York Sample ID: 24J1669-08

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 2:15 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
74-83-9	Bromomethane	ND	CCVE, QL-02	ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
156-59-2	cis-1,2-Dichloroethylene	0.990		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO



Sample Information

Client Sample ID: FMW-31

York Sample ID: 24J1669-08

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 2:15 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
75-85-4	tert-Amyl alcohol (TAA)	ND	CCVE	ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 14:55	FO



Sample Information

Client Sample ID: FMW-31

York Sample ID: 24J1669-08

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 2:15 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 14:55	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 14:55	FO
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %		69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	96.5 %		81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %		79-122							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	59.8		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	178		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	91.6	PF-CCV -H	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	896		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
335-67-1	Perfluorooctanoic acid (PFOA)	87.1		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	7800		ng/L	41.0	93.0	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 14:35	AM
375-95-1	Perfluorononanoic acid (PFNA)	73.9		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM



Sample Information

Client Sample ID: FMW-31

York Sample ID: 24J1669-08

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 2:15 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	197		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	127		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	130		ng/L	75.0	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	20.5	76.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	72.2	J	ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:27	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:27	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:27	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:27	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	112		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:27	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:27	AM



Sample Information

Client Sample ID: FMW-31

York Sample ID: 24J1669-08

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 2:15 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:27	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:27	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:27	AM
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:27	AM
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:27	AM
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:27	AM
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:27	AM

Surrogate Recoveries		Result	Acceptance Range	
M3PFBS	Surrogate: M3PFBS	168 %	PFSu-H	25-150
M3PFBS	Surrogate: M3PFBS	135 %		25-150
13C5PFHXA	Surrogate: M5PFHxA	204 %	PFSu-H	25-150
13C5PFHXA	Surrogate: M5PFHxA	148 %		25-150
13C4PFHPA	Surrogate: M4PFHpA	156 %	PFSu-H	25-150
13C4PFHPA	Surrogate: M4PFHpA	110 %		25-150
13C3PFHXS	Surrogate: M3PFHxS	177 %	PFSu-H	25-150
13C3PFHXS	Surrogate: M3PFHxS	141 %		25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	196 %	PFSu-H	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	149 %		25-150
13C6PFDA	Surrogate: M6PFDA	252 %	PFSu-H	25-150
13C6PFDA	Surrogate: M6PFDA	180 %	PFSu-H	25-150
13C7PFUNA	Surrogate: M7PFUdA	174 %	PFSu-H	25-150
13C7PFUNA	Surrogate: M7PFUdA	118 %		25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	125 %		25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	83.0 %		25-150
13C2PFTEDA	Surrogate: M2PFTeDA	53.1 %		10-150
13C2PFTEDA	Surrogate: M2PFTeDA	37.7 %		10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	59.4 %		25-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	42.1 %		25-150
13C8PFOS	Surrogate: Perfluoro-I-[13C8]octanesulfonic acid (M8PFOS)	174 %	PFSu-H	25-150



Sample Information

Client Sample ID: FMW-31

York Sample ID: 24J1669-08

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 2:15 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	151 %	PFSu-H		25-150						
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	184 %	PFSu-H		25-150						
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	141 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	177 %	PFSu-H		10-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	136 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	153 %	PFSu-H		25-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	117 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	163 %	PFSu-H		25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	116 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	163 %			25-200						
M2-6:2FTS	Surrogate: M2-6:2 FTS	113 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	153 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	114 %			25-200						
13C9PFNA	Surrogate: M9PFNA	190 %	PFSu-H		25-150						
13C9PFNA	Surrogate: M9PFNA	142 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	219 %	PFSu-H		25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	160 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	112 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	64.6 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	60.5 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	49.6 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	196 %	PFSu-H		25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	137 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	46.0 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	34.7 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	73.2 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	55.3 %			25-150						

Sample Information

Client Sample ID: MW-16

York Sample ID: 24J1669-09

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 2:50 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-16

York Sample ID: 24J1669-09

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 2:50 pm

Date Received

10/25/2024

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.52	J	ng/L	0.586	2.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	0.615	J	ng/L	0.436	2.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.19	J	ng/L	0.885	2.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.70		ng/L	0.848	2.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
335-67-1	Perfluorooctanoic acid (PFOA)	3.05		ng/L	0.524	2.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	40.7		ng/L	1.02	2.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
375-95-1	Perfluorononanoic acid (PFNA)	3.11		ng/L	0.648	2.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
335-76-2	Perfluorodecanoic acid (PFDA)	1.50	J	ng/L	0.935	2.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.31	J	ng/L	1.41	2.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.10	2.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.923	2.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.860	2.49	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.985	2.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.28	2.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.881	J	ng/L	0.287	4.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.10	2.49	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.13	2.38	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.65	2.41	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	9.35	9.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.56	9.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.411	9.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.623	4.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:43	AM
151772-58-6	Perfluoro-3,6-dioxahепtanoic acid (NFDHA)	ND		ng/L	2.67	4.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:43	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.312	4.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:43	AM



Sample Information

Client Sample ID: MW-16

York Sample ID: 24J1669-09

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 2:50 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahecanoic acid (PFMBA)	ND		ng/L	0.461	4.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:43	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.948	2.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.23	9.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	4.03	9.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.72	9.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.873	9.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
919005-14-4	ADONA	ND		ng/L	0.661	9.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.16	2.42	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:43	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.07	2.39	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:43	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPtPA)	ND		ng/L	2.53	6.23	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:43	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	9.14	31.2	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:43	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	11.8	31.2	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:43	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.98	24.9	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:43	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.97	2.49	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:43	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.98	24.9	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:43	AM
4151-50-2	* N-EtFOSA	ND		ng/L	2.24	2.49	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:43	AM
Surrogate Recoveries		Result		Acceptance Range							
M3PFBS	Surrogate: M3PFBS	124 %				25-150					
13C5PFHXA	Surrogate: M5PFHxA	120 %				25-150					
13C4PFHPA	Surrogate: M4PFHpA	109 %				25-150					
13C3PFHXS	Surrogate: M3PFHxS	130 %				25-150					
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	135 %				25-150					
13C6PFDA	Surrogate: M6PFDA	150 %	PFSu-H			25-150					
13C7PFUNA	Surrogate: M7PFUdA	108 %				25-150					
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	61.2 %				25-150					
13C2PFTEDA	Surrogate: M2PFTeDA	21.4 %				10-150					



Sample Information

Client Sample ID: MW-16

York Sample ID: 24J1669-09

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 2:50 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	71.4 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	120 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	126 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	110 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	103 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	104 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	153 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	126 %			25-200						
13C9PFNA	Surrogate: M9PFNA	116 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	203 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	42.5 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	24.5 %	PFSu-L		25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	113 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	20.3 %	PFSu-L		25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	33.3 %			25-150						

Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24J1669-10

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
71-55-6	1,1,1-Trichloroethane	5.63		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO



Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24J1669-10

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	6.24		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
75-35-4	1,1-Dichloroethylene	10.6		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
107-06-2	1,2-Dichloroethane	3.21		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
123-91-1	1,4-Dioxane	4190		ug/L	353	800	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/04/2024 08:00	11/04/2024 12:07	PD
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO



Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24J1669-10

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
67-64-1	Acetone	ND	CAL-E, CCVE	ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
107-02-8	Acrolein	ND	CAL-E	ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
74-83-9	Bromomethane	ND	CCVE, QL-02	ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
75-00-3	Chloroethane	13.5		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
156-59-2	cis-1,2-Dichloroethylene	2.18		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO



Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24J1669-10

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/28/2024 08:00	10/28/2024 15:24	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
108-87-2	Methylcyclohexane	0.750		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-68-	10/28/2024 08:00	10/28/2024 15:24	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	10/28/2024 08:00	10/28/2024 15:24	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
75-85-4	tert-Amyl alcohol (TAA)	335	CCVE	ug/L	4.16	8.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO
75-65-0	tert-Butyl alcohol (TBA)	8.43	CCVE	ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO



Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24J1669-10

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:24	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/28/2024 08:00	10/28/2024 15:24	FO
75-01-4	Vinyl Chloride	173	A-01, E	ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:24	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: <i>SURR: 1,2-Dichloroethane-d4</i>	98.6 %	69-130								
2037-26-5	Surrogate: <i>SURR: Toluene-d8</i>	96.2 %	81-117								
460-00-4	Surrogate: <i>SURR: p-Bromofluorobenzene</i>	102 %	79-122								

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	78.7		ug/L	6.00	20	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	10/30/2024 12:51	11/01/2024 15:06	SS
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: <i>1,4-Dioxane-d8</i>	5120 %	S-06	36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24J1669-10

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	1270		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	619	PF-CCV -H	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
335-67-1	Perfluorooctanoic acid (PFOA)	163		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	16.8	J	ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
375-95-1	Perfluorononanoic acid (PFNA)	17.3	J	ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
2355-31-9	N-McFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	4160		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	459		ng/L	75.0	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	20.5	76.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	552		ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:59	AM
151772-58-6	Perfluoro-3,6-dioxahепtanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:59	AM



Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24J1669-10

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:59	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 22:59	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	24.7	J	ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:59	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 22:59	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:59	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:59	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:59	AM
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:59	AM
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:59	AM
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:59	AM
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 22:59	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	111 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	121 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	97.0 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	109 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	136 %	25-150								
13C6PFDA	Surrogate: M6PFDA	126 %	25-150								
13C7PFUNA	Surrogate: M7PFUdA	116 %	25-150								
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	76.6 %	25-150								



Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24J1669-10

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C2PFTEDA	Surrogate: M2PFTeDA	33.7 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	56.9 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	131 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	116 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	119 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	108 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	122 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	95.3 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	103 %			25-200						
13C9PFNA	Surrogate: M9PFNA	116 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	127 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	67.9 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	44.7 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	122 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	35.0 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	56.6 %			25-150						

Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1669-11

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:52	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:52	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:52	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:52	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/28/2024 08:00	10/28/2024 15:52	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1669-11

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
123-91-1	1,4-Dioxane	126	CCVE, ICVE	ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1669-11

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
67-64-1	Acetone	ND	CCVE, CAL-E	ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
107-02-8	Acrolein	ND	CAL-E	ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
74-83-9	Bromomethane	ND	CCVE, QL-02	ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
67-66-3	Chloroform	3.39		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1669-11

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
75-85-4	tert-Amyl alcohol (TAA)	ND	CCVE	ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1669-11

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/28/2024 08:00	10/28/2024 15:52	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: <i>SURR:</i> <i>1,2-Dichloroethane-d4</i>	96.0 %	69-130								
2037-26-5	Surrogate: <i>SURR: Toluene-d8</i>	97.5 %	81-117								
460-00-4	Surrogate: <i>SURR:</i> <i>p-Bromofluorobenzene</i>	102 %	79-122								

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	10/30/2024 12:51	11/01/2024 13:03	SS
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	64.0 %	36.6-118							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1669-11

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.440	1.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.328	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.665	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.637	1.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.393	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.768	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.487	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.702	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.06	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.824	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.693	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.646	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.740	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.964	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.215	3.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.824	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.852	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.24	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.02	7.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	7.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.309	7.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.468	3.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 23:48	AM
151772-58-6	Perfluoro-3,6-dioxahptanoic acid (NFDHA)	ND		ng/L	2.00	3.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 23:48	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.234	3.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 23:48	AM



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1669-11

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.346	3.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/04/2024 23:48	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.712	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.68	7.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.02	7.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.29	7.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.655	7.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
919005-14-4	ADONA	ND		ng/L	0.496	7.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.871	1.82	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 23:48	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.805	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/04/2024 23:48	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.90	4.68	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 23:48	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.86	23.4	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 23:48	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.87	23.4	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 23:48	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.74	18.7	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 23:48	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.48	1.87	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 23:48	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.74	18.7	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 23:48	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.69	1.87	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/04/2024 23:48	AM
Surrogate Recoveries		Result		Acceptance Range							
M3PFBS	Surrogate: M3PFBS	128 %		25-150							
13C5PFHXA	Surrogate: M5PFHxA	127 %		25-150							
13C4PFHPA	Surrogate: M4PFHpA	102 %		25-150							
13C3PFHXS	Surrogate: M3PFHxS	124 %		25-150							
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	150 %		25-150							
13C6PFDA	Surrogate: M6PFDA	152 %	PFSu-H	25-150							
13C7PFUNA	Surrogate: M7PFUdA	119 %		25-150							
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	82.4 %		25-150							
13C2PFTEDA	Surrogate: M2PFTeDA	65.7 %		10-150							



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1669-11

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	16.8 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	144 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	111 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	141 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	125 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	142 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	104 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	113 %			25-200						
13C9PFNA	Surrogate: M9PFNA	124 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	142 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	92.3 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	65.3 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	120 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	83.1 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	97.1 %			25-150						

Glycols, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 12:45	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	10/26/2024 09:52	10/26/2024 12:45	GXB
	Surrogate Recoveries	Result		Acceptance Range						
110-63-4	Surrogate: 1,4-Butanediol			30-130						

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1669-12

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1669-12

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
123-91-1	1,4-Dioxane	ND	CCVE, ICVE	ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1669-12

York Project (SDG) No.
24J1669

Client Project ID
Westchester County Airport

Matrix
Water

Collection Date/Time
October 24, 2024 3:00 pm

Date Received
10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
67-64-1	Acetone	ND	CAL-E, CCVE	ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
107-02-8	Acrolein	ND	CAL-E	ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
67-66-3	Chloroform	1.91		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1669-12

York Project (SDG) No.

24J1669

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 24, 2024 3:00 pm

Date Received

10/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO



Sample Information

Client Sample ID: Trip Blank		York Sample ID: 24J1669-12			
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1669	Westchester County Airport	Water	October 24, 2024 3:00 pm	10/25/2024	

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
75-85-4	tert-Amyl alcohol (TAA)	ND	CCVE	ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/26/2024 10:56	10/26/2024 13:31	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.9 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	98.0 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								



Analytical Batch Summary

Batch ID: BJ41757 **Preparation Method:** Preparation for GC Analysis **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
24J1669-01	Hanger E MW-1	10/26/24
24J1669-11	Field Blank	10/26/24
BJ41757-BLK1	Blank	10/26/24
BJ41757-DUP1	Duplicate	10/26/24

Batch ID: BJ41800 **Preparation Method:** EPA 5030B **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
24J1669-12	Trip Blank	10/26/24
BJ41800-BLK1	Blank	10/26/24
BJ41800-BS1	LCS	10/26/24
BJ41800-BSD1	LCS Dup	10/26/24

Batch ID: BJ41880 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24J1669-01	Hanger E MW-1	10/28/24
24J1669-05	MW-7S	10/28/24
24J1669-07	FMW-40	10/28/24
24J1669-08	FMW-31	10/28/24
24J1669-10	Field Duplicate	10/28/24
24J1669-11	Field Blank	10/28/24
BJ41880-BLK1	Blank	10/28/24
BJ41880-BS1	LCS	10/28/24
BJ41880-MS1	Matrix Spike	10/28/24
BJ41880-MSD1	Matrix Spike Dup	10/28/24

Batch ID: BJ41970 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24J1669-01RE1	Hanger E MW-1	10/29/24
BJ41970-BLK1	Blank	10/29/24
BJ41970-BS1	LCS	10/29/24
BJ41970-BSD1	LCS Dup	10/29/24

Batch ID: BJ42100 **Preparation Method:** EPA 3535A **Prepared By:** moa

YORK Sample ID	Client Sample ID	Preparation Date
24J1669-01	Hanger E MW-1	10/30/24
24J1669-05	MW-7S	10/30/24
24J1669-10	Field Duplicate	10/30/24
24J1669-11	Field Blank	10/30/24
BJ42100-BLK1	Blank	10/30/24



BJ42100-BS1	LCS	10/30/24
BJ42100-MS1	Matrix Spike	10/30/24
BJ42100-MSD1	Matrix Spike Dup	10/30/24

Batch ID: BK40095 **Preparation Method:** EPA 1633 Prep **Prepared By:** MPR

YORK Sample ID	Client Sample ID	Preparation Date
24J1669-01	Hanger E MW-1	11/02/24
24J1669-02	Hanger E MW-4	11/02/24
24J1669-03	FMW-24	11/02/24
24J1669-04	FMW-2R	11/02/24
24J1669-05	MW-7S	11/02/24
24J1669-06	FMW-35	11/02/24
24J1669-07	FMW-40	11/02/24
24J1669-07RE1	FMW-40	11/02/24
24J1669-08	FMW-31	11/02/24
24J1669-08RE1	FMW-31	11/02/24
24J1669-09	MW-16	11/02/24
24J1669-10	Field Duplicate	11/02/24
24J1669-11	Field Blank	11/02/24
BK40095-BLK1	Blank	11/02/24
BK40095-BS1	LCS	11/02/24
BK40095-BS2	LCS	11/02/24
BK40095-MS1	Matrix Spike	11/02/24
BK40095-MSD1	Matrix Spike Dup	11/02/24

Batch ID: BK40147 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
24J1669-10RE1	Field Duplicate	11/04/24
BK40147-BLK1	Blank	11/04/24
BK40147-BS1	LCS	11/04/24
BK40147-BSD1	LCS Dup	11/04/24



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41800 - EPA 5030B

Blank (BJ41800-BLK1)

Prepared & Analyzed: 10/26/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4,5-Tetramethylbenzene	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41800 - EPA 5030B

Blank (BJ41800-BLK1)

Prepared & Analyzed: 10/26/2024

Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	"								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.45		"	10.0		94.5	69-130				
Surrogate: SURR: Toluene-d8	9.62		"	10.0		96.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41800 - EPA 5030B											
LCS (BJ41800-BS1)						Prepared & Analyzed: 10/26/2024					
1,1,1,2-Tetrachloroethane	9.64		ug/L	10.0		96.4	82-126				
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	9.74		"	10.0		97.4	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165				
1,1,2-Trichloroethane	9.35		"	10.0		93.5	82-123				
1,1-Dichloroethane	9.65		"	10.0		96.5	82-129				
1,1-Dichloroethylene	10.0		"	10.0		100	68-138				
1,1-Dichloropropylene	10.5		"	10.0		105	83-133				
1,2,3-Trichlorobenzene	10.0		"	10.0		100	76-136				
1,2,3-Trichloropropane	9.29		"	10.0		92.9	77-128				
1,2,4,5-Tetramethylbenzene	10.2		"	10.0		102	85-140				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	9.67		"	10.0		96.7	45-147				
1,2-Dibromoethane	9.59		"	10.0		95.9	83-124				
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123				
1,2-Dichloroethane	9.94		"	10.0		99.4	73-132				
1,2-Dichloropropane	9.45		"	10.0		94.5	78-126				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131				
1,3-Dichlorobenzene	9.93		"	10.0		99.3	86-122				
1,3-Dichloropropane	9.50		"	10.0		95.0	81-125				
1,4-Dichlorobenzene	9.89		"	10.0		98.9	85-124				
1,4-Dioxane	139		"	210		66.3	10-349				
2,2-Dichloropropane	10.6		"	10.0		106	56-150				
2-Butanone	8.54		"	10.0		85.4	49-152				
2-Chlorotoluene	10.2		"	10.0		102	79-130				
2-Hexanone	7.43		"	10.0		74.3	51-146				
4-Chlorotoluene	10.3		"	10.0		103	79-128				
4-Methyl-2-pentanone	8.69		"	10.0		86.9	57-145				
Acetone	15.2		"	10.0		152	14-150	High Bias			
Acrolein	12.2		"	10.0		122	10-153				
Acrylonitrile	10.3		"	10.0		103	51-150				
Benzene	10.4		"	10.0		104	85-126				
Bromobenzene	9.78		"	10.0		97.8	78-129				
Bromochloromethane	9.24		"	10.0		92.4	77-128				
Bromodichloromethane	9.60		"	10.0		96.0	79-128				
Bromoform	9.47		"	10.0		94.7	78-133				
Bromomethane	5.04		"	10.0		50.4	43-168				
Carbon disulfide	9.39		"	10.0		93.9	68-146				
Carbon tetrachloride	10.7		"	10.0		107	77-141				
Chlorobenzene	9.99		"	10.0		99.9	88-120				
Chloroethane	9.64		"	10.0		96.4	65-136				
Chloroform	10.0		"	10.0		100	82-128				
Chloromethane	7.00		"	10.0		70.0	43-155				
cis-1,2-Dichloroethylene	9.88		"	10.0		98.8	83-129				
cis-1,3-Dichloropropylene	9.20		"	10.0		92.0	80-131				
Cyclohexane	8.90		"	10.0		89.0	63-149				
Dibromochloromethane	9.68		"	10.0		96.8	80-130				
Dibromomethane	9.28		"	10.0		92.8	72-134				
Dichlorodifluoromethane	6.12		"	10.0		61.2	44-144				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41800 - EPA 5030B

LCS (BJ41800-BS1)

Prepared & Analyzed: 10/26/2024

Diisopropyl ether (DIPE)	9.33		ug/L	10.0		93.3	70-130				
Ethyl Benzene	10.2		"	10.0		102	80-131				
Ethyl tert-butyl ether (ETBE)	9.51		"	10.0		95.1	70-130				
Hexachlorobutadiene	11.0		"	10.0		110	67-146				
Iodomethane	3.34		"	10.0		33.4	70-130	Low Bias			
Isopropylbenzene	10.6		"	10.0		106	76-140				
Methyl acetate	7.32		"	10.0		73.2	51-139				
Methyl Methacrylate	9.28		"	10.0		92.8	72-132				
Methyl tert-butyl ether (MTBE)	9.23		"	10.0		92.3	76-135				
Methyleyclohexane	9.57		"	10.0		95.7	72-143				
Methylene chloride	9.66		"	10.0		96.6	55-137				
Naphthalene	9.93		"	10.0		99.3	70-147				
n-Butylbenzene	11.0		"	10.0		110	79-132				
n-Propylbenzene	10.5		"	10.0		105	78-133				
o-Xylene	9.96		"	10.0		99.6	78-130				
p- & m- Xylenes	17.9		"	20.0		89.3	77-133				
p-Diethylbenzene	10.8		"	10.0		108	84-134				
p-Ethyltoluene	10.8		"	10.0		108	88-129				
p-Isopropyltoluene	11.1		"	10.0		111	81-136				
sec-Butylbenzene	10.6		"	10.0		106	79-137				
Styrene	10.0		"	10.0		100	67-132				
tert-Amyl alcohol (TAA)	77.7		"	100		77.7	70-130				
tert-Amyl methyl ether (TAME)	9.51		"	10.0		95.1	70-130				
tert-Butyl alcohol (TBA)	33.5		"	50.0		67.1	25-162				
tert-Butylbenzene	10.6		"	10.0		106	77-138				
Tetrachloroethylene	6.18		"	10.0		61.8	82-131	Low Bias			
Tetrahydrofuran	9.23		"	10.0		92.3	36-166				
Toluene	10.0		"	10.0		100	80-127				
trans-1,2-Dichloroethylene	9.85		"	10.0		98.5	80-132				
trans-1,3-Dichloropropylene	9.20		"	10.0		92.0	78-131				
trans-1,4-dichloro-2-butene	9.63		"	10.0		96.3	63-141				
Trichloroethylene	9.94		"	10.0		99.4	82-128				
Trichlorofluoromethane	9.90		"	10.0		99.0	67-139				
Vinyl acetate	21.8		"	10.0		218	21-90	High Bias			
Vinyl Chloride	8.41		"	10.0		84.1	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.82		"	10.0		98.2	69-130				
Surrogate: SURR: Toluene-d8	9.72		"	10.0		97.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41800 - EPA 5030B											
LCS Dup (BJ41800-BSD1)						Prepared & Analyzed: 10/26/2024					
1,1,1,2-Tetrachloroethane	9.82		ug/L	10.0		98.2	82-126		1.85	30	
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136		0.00	30	
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	76-129		3.03	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165		0.755	30	
1,1,2-Trichloroethane	9.76		"	10.0		97.6	82-123		4.29	30	
1,1-Dichloroethane	9.40		"	10.0		94.0	82-129		2.62	30	
1,1-Dichloroethylene	10.0		"	10.0		100	68-138		0.00	30	
1,1-Dichloropropylene	10.4		"	10.0		104	83-133		1.15	30	
1,2,3-Trichlorobenzene	9.97		"	10.0		99.7	76-136		0.300	30	
1,2,3-Trichloropropane	9.65		"	10.0		96.5	77-128		3.80	30	
1,2,4,5-Tetramethylbenzene	9.83		"	10.0		98.3	85-140		3.69	30	
1,2,4-Trichlorobenzene	9.97		"	10.0		99.7	76-137		2.48	30	
1,2,4-Trimethylbenzene	9.90		"	10.0		99.0	82-132		3.47	30	
1,2-Dibromo-3-chloropropane	9.96		"	10.0		99.6	45-147		2.95	30	
1,2-Dibromoethane	9.85		"	10.0		98.5	83-124		2.67	30	
1,2-Dichlorobenzene	9.66		"	10.0		96.6	79-123		3.46	30	
1,2-Dichloroethane	10.1		"	10.0		101	73-132		1.99	30	
1,2-Dichloropropane	9.46		"	10.0		94.6	78-126		0.106	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131		4.12	30	
1,3-Dichlorobenzene	9.76		"	10.0		97.6	86-122		1.73	30	
1,3-Dichloropropane	9.79		"	10.0		97.9	81-125		3.01	30	
1,4-Dichlorobenzene	9.62		"	10.0		96.2	85-124		2.77	30	
1,4-Dioxane	184		"	210		87.5	10-349		27.7	30	
2,2-Dichloropropane	10.5		"	10.0		105	56-150		1.42	30	
2-Butanone	8.70		"	10.0		87.0	49-152		1.86	30	
2-Chlorotoluene	9.72		"	10.0		97.2	79-130		4.33	30	
2-Hexanone	8.09		"	10.0		80.9	51-146		8.51	30	
4-Chlorotoluene	9.89		"	10.0		98.9	79-128		3.87	30	
4-Methyl-2-pentanone	9.39		"	10.0		93.9	57-145		7.74	30	
Acetone	16.4		"	10.0		164	14-150	High Bias	8.23	30	
Acrolein	12.2		"	10.0		122	10-153		0.737	30	
Acrylonitrile	10.5		"	10.0		105	51-150		1.73	30	
Benzene	10.4		"	10.0		104	85-126		0.480	30	
Bromobenzene	9.63		"	10.0		96.3	78-129		1.55	30	
Bromochloromethane	9.43		"	10.0		94.3	77-128		2.04	30	
Bromodichloromethane	9.60		"	10.0		96.0	79-128		0.00	30	
Bromoform	9.68		"	10.0		96.8	78-133		2.19	30	
Bromomethane	5.27		"	10.0		52.7	43-168		4.46	30	
Carbon disulfide	9.38		"	10.0		93.8	68-146		0.107	30	
Carbon tetrachloride	10.7		"	10.0		107	77-141		0.561	30	
Chlorobenzene	9.94		"	10.0		99.4	88-120		0.502	30	
Chloroethane	9.46		"	10.0		94.6	65-136		1.88	30	
Chloroform	10.1		"	10.0		101	82-128		0.498	30	
Chloromethane	6.88		"	10.0		68.8	43-155		1.73	30	
cis-1,2-Dichloroethylene	9.90		"	10.0		99.0	83-129		0.202	30	
cis-1,3-Dichloropropylene	9.39		"	10.0		93.9	80-131		2.04	30	
Cyclohexane	8.88		"	10.0		88.8	63-149		0.225	30	
Dibromochloromethane	9.82		"	10.0		98.2	80-130		1.44	30	
Dibromomethane	9.30		"	10.0		93.0	72-134		0.215	30	
Dichlorodifluoromethane	6.13		"	10.0		61.3	44-144		0.163	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41800 - EPA 5030B

LCS Dup (BJ41800-BSD1)

Prepared & Analyzed: 10/26/2024

Diisopropyl ether (DIPE)	9.51		ug/L	10.0		95.1	70-130		1.91	30
Ethyl Benzene	10.2		"	10.0		102	80-131		0.0977	30
Ethyl tert-butyl ether (ETBE)	9.95		"	10.0		99.5	70-130		4.52	30
Hexachlorobutadiene	10.4		"	10.0		104	67-146		5.34	30
Iodomethane	3.00		"	10.0		30.0	70-130	Low Bias	10.7	30
Isopropylbenzene	10.1		"	10.0		101	76-140		4.92	30
Methyl acetate	7.68		"	10.0		76.8	51-139		4.80	30
Methyl Methacrylate	9.65		"	10.0		96.5	72-132		3.91	30
Methyl tert-butyl ether (MTBE)	9.65		"	10.0		96.5	76-135		4.45	30
Methyleyclohexane	9.55		"	10.0		95.5	72-143		0.209	30
Methylene chloride	9.68		"	10.0		96.8	55-137		0.207	30
Naphthalene	10.1		"	10.0		101	70-147		1.99	30
n-Butylbenzene	10.4		"	10.0		104	79-132		5.34	30
n-Propylbenzene	10.0		"	10.0		100	78-133		4.96	30
o-Xylene	9.94		"	10.0		99.4	78-130		0.201	30
p- & m- Xylenes	17.7		"	20.0		88.4	77-133		0.956	30
p-Diethylbenzene	10.1		"	10.0		101	84-134		6.04	30
p-Ethyltoluene	10.3		"	10.0		103	88-129		4.55	30
p-Isopropyltoluene	10.6		"	10.0		106	81-136		4.34	30
sec-Butylbenzene	10.2		"	10.0		102	79-137		3.84	30
Styrene	10.0		"	10.0		100	67-132		0.399	30
tert-Amyl alcohol (TAA)	85.0		"	100		85.0	70-130		9.04	30
tert-Amyl methyl ether (TAME)	10.0		"	10.0		100	70-130		5.22	30
tert-Butyl alcohol (TBA)	38.6		"	50.0		77.2	25-162		14.1	30
tert-Butylbenzene	10.1		"	10.0		101	77-138		4.84	30
Tetrachloroethylene	6.08		"	10.0		60.8	82-131	Low Bias	1.63	30
Tetrahydrofuran	9.48		"	10.0		94.8	36-166		2.67	30
Toluene	9.97		"	10.0		99.7	80-127		0.600	30
trans-1,2-Dichloroethylene	9.91		"	10.0		99.1	80-132		0.607	30
trans-1,3-Dichloropropylene	9.39		"	10.0		93.9	78-131		2.04	30
trans-1,4-dichloro-2-butene	9.46		"	10.0		94.6	63-141		1.78	30
Trichloroethylene	9.80		"	10.0		98.0	82-128		1.42	30
Trichlorofluoromethane	9.63		"	10.0		96.3	67-139		2.76	30
Vinyl acetate	21.1		"	10.0		211	21-90	High Bias	2.98	30
Vinyl Chloride	8.23		"	10.0		82.3	58-145		2.16	30
Surrogate: SURR: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130			
Surrogate: SURR: Toluene-d8	9.71		"	10.0		97.1	81-117			
Surrogate: SURR: p-Bromofluorobenzene	9.89		"	10.0		98.9	79-122			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41880 - EPA 5030B

Blank (BJ41880-BLK1)

Prepared & Analyzed: 10/28/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4,5-Tetramethylbenzene	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41880 - EPA 5030B

Blank (BJ41880-BLK1)

Prepared & Analyzed: 10/28/2024

Diisopropyl ether (DIPE)	ND	0.800	ug/L
Ethyl Benzene	ND	0.500	"
Ethyl tert-butyl ether (ETBE)	ND	0.800	"
Hexachlorobutadiene	ND	0.500	"
Iodomethane	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl acetate	ND	0.500	"
Methyl Methacrylate	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methyleyclohexane	ND	0.500	"
Methylene chloride	ND	2.00	"
Naphthalene	ND	2.00	"
n-Butylbenzene	ND	0.500	"
n-Propylbenzene	ND	0.500	"
o-Xylene	ND	0.500	"
p- & m- Xylenes	ND	1.00	"
p-Diethylbenzene	ND	0.500	"
p-Ethyltoluene	ND	0.500	"
p-Isopropyltoluene	ND	0.500	"
sec-Butylbenzene	ND	0.500	"
Styrene	ND	0.500	"
tert-Amyl alcohol (TAA)	ND	8.00	"
tert-Amyl methyl ether (TAME)	ND	0.800	"
tert-Butyl alcohol (TBA)	ND	1.00	"
tert-Butylbenzene	ND	0.500	"
Tetrachloroethylene	ND	0.500	"
Tetrahydrofuran	ND	0.500	"
Toluene	ND	0.500	"
trans-1,2-Dichloroethylene	ND	0.500	"
trans-1,3-Dichloropropylene	ND	0.500	"
trans-1,4-dichloro-2-butene	ND	0.500	"
Trichloroethylene	ND	0.500	"
Trichlorofluoromethane	ND	0.500	"
Vinyl acetate	ND	0.500	"
Vinyl Chloride	ND	0.500	"
Xylenes, Total	ND	1.50	"

Surrogate: SURR: 1,2-Dichloroethane-d4	9.72	"	10.0	97.2	69-130
Surrogate: SURR: Toluene-d8	9.72	"	10.0	97.2	81-117
Surrogate: SURR: p-Bromofluorobenzene	10.1	"	10.0	101	79-122



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41880 - EPA 5030B											
LCS (BJ41880-BS1)						Prepared & Analyzed: 10/28/2024					
1,1,1,2-Tetrachloroethane	8.89		ug/L	10.0		88.9	82-126				
1,1,1-Trichloroethane	9.71		"	10.0		97.1	78-136				
1,1,2,2-Tetrachloroethane	9.49		"	10.0		94.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165				
1,1,2-Trichloroethane	8.79		"	10.0		87.9	82-123				
1,1-Dichloroethane	9.08		"	10.0		90.8	82-129				
1,1-Dichloroethylene	10.0		"	10.0		100	68-138				
1,1-Dichloropropylene	10.0		"	10.0		100	83-133				
1,2,3-Trichlorobenzene	9.27		"	10.0		92.7	76-136				
1,2,3-Trichloropropane	8.67		"	10.0		86.7	77-128				
1,2,4,5-Tetramethylbenzene	9.34		"	10.0		93.4	85-140				
1,2,4-Trichlorobenzene	9.64		"	10.0		96.4	76-137				
1,2,4-Trimethylbenzene	9.42		"	10.0		94.2	82-132				
1,2-Dibromo-3-chloropropane	8.93		"	10.0		89.3	45-147				
1,2-Dibromoethane	9.20		"	10.0		92.0	83-124				
1,2-Dichlorobenzene	9.29		"	10.0		92.9	79-123				
1,2-Dichloroethane	9.19		"	10.0		91.9	73-132				
1,2-Dichloropropane	8.78		"	10.0		87.8	78-126				
1,3,5-Trimethylbenzene	9.86		"	10.0		98.6	80-131				
1,3-Dichlorobenzene	9.30		"	10.0		93.0	86-122				
1,3-Dichloropropane	8.72		"	10.0		87.2	81-125				
1,4-Dichlorobenzene	9.12		"	10.0		91.2	85-124				
1,4-Dioxane	238		"	210		113	10-349				
2,2-Dichloropropane	10.2		"	10.0		102	56-150				
2-Butanone	8.67		"	10.0		86.7	49-152				
2-Chlorotoluene	9.31		"	10.0		93.1	79-130				
2-Hexanone	7.09		"	10.0		70.9	51-146				
4-Chlorotoluene	9.38		"	10.0		93.8	79-128				
4-Methyl-2-pentanone	8.34		"	10.0		83.4	57-145				
Acetone	16.0		"	10.0		160	14-150	High Bias			
Acrolein	12.8		"	10.0		128	10-153				
Acrylonitrile	9.47		"	10.0		94.7	51-150				
Benzene	9.88		"	10.0		98.8	85-126				
Bromobenzene	8.99		"	10.0		89.9	78-129				
Bromochloromethane	8.54		"	10.0		85.4	77-128				
Bromodichloromethane	8.76		"	10.0		87.6	79-128				
Bromoform	8.98		"	10.0		89.8	78-133				
Bromomethane	4.14		"	10.0		41.4	43-168	Low Bias			
Carbon disulfide	9.61		"	10.0		96.1	68-146				
Carbon tetrachloride	10.2		"	10.0		102	77-141				
Chlorobenzene	9.08		"	10.0		90.8	88-120				
Chloroethane	9.95		"	10.0		99.5	65-136				
Chloroform	9.35		"	10.0		93.5	82-128				
Chloromethane	7.71		"	10.0		77.1	43-155				
cis-1,2-Dichloroethylene	9.22		"	10.0		92.2	83-129				
cis-1,3-Dichloropropylene	8.50		"	10.0		85.0	80-131				
Cyclohexane	8.60		"	10.0		86.0	63-149				
Dibromochloromethane	8.86		"	10.0		88.6	80-130				
Dibromomethane	8.47		"	10.0		84.7	72-134				
Dichlorodifluoromethane	10.6		"	10.0		106	44-144				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41880 - EPA 5030B

LCS (BJ41880-BS1)

Prepared & Analyzed: 10/28/2024

Diisopropyl ether (DIPE)	8.93		ug/L	10.0		89.3	70-130				
Ethyl Benzene	9.36		"	10.0		93.6	80-131				
Ethyl tert-butyl ether (ETBE)	9.14		"	10.0		91.4	70-130				
Hexachlorobutadiene	10.3		"	10.0		103	67-146				
Iodomethane	2.49		"	10.0		24.9	70-130	Low Bias			
Isopropylbenzene	9.74		"	10.0		97.4	76-140				
Methyl acetate	6.99		"	10.0		69.9	51-139				
Methyl Methacrylate	8.75		"	10.0		87.5	72-132				
Methyl tert-butyl ether (MTBE)	8.85		"	10.0		88.5	76-135				
Methyleyclohexane	9.12		"	10.0		91.2	72-143				
Methylene chloride	9.46		"	10.0		94.6	55-137				
Naphthalene	9.56		"	10.0		95.6	70-147				
n-Butylbenzene	9.94		"	10.0		99.4	79-132				
n-Propylbenzene	9.68		"	10.0		96.8	78-133				
o-Xylene	9.09		"	10.0		90.9	78-130				
p- & m- Xylenes	16.2		"	20.0		81.2	77-133				
p-Diethylbenzene	9.75		"	10.0		97.5	84-134				
p-Ethyltoluene	9.87		"	10.0		98.7	88-129				
p-Isopropyltoluene	10.2		"	10.0		102	81-136				
sec-Butylbenzene	9.82		"	10.0		98.2	79-137				
Styrene	9.18		"	10.0		91.8	67-132				
tert-Amyl alcohol (TAA)	86.6		"	100		86.6	70-130				
tert-Amyl methyl ether (TAME)	9.29		"	10.0		92.9	70-130				
tert-Butyl alcohol (TBA)	43.2		"	50.0		86.3	25-162				
tert-Butylbenzene	9.64		"	10.0		96.4	77-138				
Tetrachloroethylene	5.70		"	10.0		57.0	82-131	Low Bias			
Tetrahydrofuran	9.67		"	10.0		96.7	36-166				
Toluene	9.24		"	10.0		92.4	80-127				
trans-1,2-Dichloroethylene	9.43		"	10.0		94.3	80-132				
trans-1,3-Dichloropropylene	8.50		"	10.0		85.0	78-131				
trans-1,4-dichloro-2-butene	8.99		"	10.0		89.9	63-141				
Trichloroethylene	9.17		"	10.0		91.7	82-128				
Trichlorofluoromethane	10.4		"	10.0		104	67-139				
Vinyl acetate	19.2		"	10.0		192	21-90	High Bias			
Vinyl Chloride	9.35		"	10.0		93.5	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.95		"	10.0		99.5	69-130				
Surrogate: SURR: Toluene-d8	9.51		"	10.0		95.1	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41880 - EPA 5030B

Matrix Spike (BJ41880-MS1)		*Source sample: 24J1669-01 (Hanger E MW-1)					Prepared & Analyzed: 10/28/2024				
1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0	0.00	115	45-161				
1,1,1-Trichloroethane	19.9		"	10.0	5.45	145	70-146				
1,1,2,2-Tetrachloroethane	10.9		"	10.0	0.00	109	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.7		"	10.0	0.00	137	21-217				
1,1,2-Trichloroethane	11.0		"	10.0	0.00	110	59-146				
1,1-Dichloroethane	18.1		"	10.0	5.93	122	54-146				
1,1-Dichloroethylene	23.7		"	10.0	10.1	136	44-165				
1,1-Dichloropropylene	13.1		"	10.0	0.00	131	82-134				
1,2,3-Trichlorobenzene	11.4		"	10.0	0.00	114	40-161				
1,2,3-Trichloropropane	10.5		"	10.0	0.00	105	74-127				
1,2,4,5-Tetramethylbenzene	11.4		"	10.0	0.00	114	27-190				
1,2,4-Trichlorobenzene	11.4		"	10.0	0.00	114	41-161				
1,2,4-Trimethylbenzene	11.5		"	10.0	0.00	115	72-129				
1,2-Dibromo-3-chloropropane	11.2		"	10.0	0.00	112	31-151				
1,2-Dibromoethane	11.3		"	10.0	0.00	113	75-125				
1,2-Dichlorobenzene	11.4		"	10.0	0.210	112	63-122				
1,2-Dichloroethane	14.8		"	10.0	3.15	116	68-131				
1,2-Dichloropropane	10.8		"	10.0	0.00	108	77-121				
1,3,5-Trimethylbenzene	12.2		"	10.0	0.00	122	69-126				
1,3-Dichlorobenzene	11.3		"	10.0	0.00	113	74-119				
1,3-Dichloropropane	10.9		"	10.0	0.00	109	77-119				
1,4-Dichlorobenzene	11.3		"	10.0	0.00	113	70-124				
1,4-Dioxane	3120		"	210	2120	479	10-310	High Bias			
2,2-Dichloropropane	11.0		"	10.0	0.00	110	10-160				
2-Butanone	11.4		"	10.0	0.00	114	10-193				
2-Chlorotoluene	11.5		"	10.0	0.00	115	70-126				
2-Hexanone	9.62		"	10.0	0.00	96.2	53-133				
4-Chlorotoluene	11.6		"	10.0	0.00	116	69-124				
4-Methyl-2-pentanone	9.92		"	10.0	0.00	99.2	38-150				
Acetone	19.7		"	10.0	0.00	197	13-149	High Bias			
Acrolein	10.5		"	10.0	0.00	105	10-195				
Acrylonitrile	10.9		"	10.0	0.00	109	37-165				
Benzene	13.5		"	10.0	0.00	135	38-155				
Bromobenzene	10.9		"	10.0	0.00	109	72-122				
Bromochloromethane	10.6		"	10.0	0.00	106	75-121				
Bromodichloromethane	11.0		"	10.0	0.00	110	70-129				
Bromoform	11.2		"	10.0	0.00	112	66-136				
Bromomethane	3.22		"	10.0	0.00	32.2	30-158				
Carbon disulfide	11.9		"	10.0	0.00	119	10-138				
Carbon tetrachloride	13.4		"	10.0	0.00	134	71-146				
Chlorobenzene	11.7		"	10.0	0.00	117	81-117				
Chloroethane	24.9		"	10.0	12.1	128	51-145				
Chloroform	12.0		"	10.0	0.00	120	80-124				
Chloromethane	9.25		"	10.0	0.00	92.5	16-163				
cis-1,2-Dichloroethylene	13.5		"	10.0	2.14	114	76-125				
cis-1,3-Dichloropropylene	10.3		"	10.0	0.00	103	58-131				
Cyclohexane	11.7		"	10.0	0.00	117	70-130				
Dibromochloromethane	11.3		"	10.0	0.00	113	71-129				
Dibromomethane	10.8		"	10.0	0.00	108	76-120				
Dichlorodifluoromethane	12.4		"	10.0	0.00	124	30-147				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41880 - EPA 5030B

Matrix Spike (BJ41880-MS1)		*Source sample: 24J1669-01 (Hanger E MW-1)					Prepared & Analyzed: 10/28/2024				
Diisopropyl ether (DIPE)	10.9		ug/L	10.0	0.00	109	70-130				
Ethyl Benzene	12.4		"	10.0	0.00	124	72-128				
Ethyl tert-butyl ether (ETBE)	11.0		"	10.0	0.00	110	70-130				
Hexachlorobutadiene	12.1		"	10.0	0.00	121	34-166				
Iodomethane	2.50		"	10.0	0.00	25.0	70-130	Low Bias			
Isopropylbenzene	12.4		"	10.0	0.00	124	66-139				
Methyl acetate	9.98		"	10.0	0.00	99.8	10-200				
Methyl Methacrylate	11.0		"	10.0	0.00	110	68-124				
Methyl tert-butyl ether (MTBE)	10.8		"	10.0	0.00	108	75-128				
Methyleyclohexane	12.2		"	10.0	0.690	115	70-130				
Methylene chloride	11.4		"	10.0	0.00	114	57-128				
Naphthalene	11.5		"	10.0	0.00	115	39-158				
n-Butylbenzene	12.4		"	10.0	0.00	124	61-138				
n-Propylbenzene	12.1		"	10.0	0.00	121	66-134				
o-Xylene	12.0		"	10.0	0.00	120	69-126				
p- & m- Xylenes	21.5		"	20.0	0.00	107	67-130				
p-Diethylbenzene	12.3		"	10.0	0.320	120	52-150				
p-Ethyltoluene	12.3		"	10.0	0.00	123	76-127				
p-Isopropyltoluene	12.6		"	10.0	0.00	126	64-137				
sec-Butylbenzene	12.1		"	10.0	0.00	121	53-155				
Styrene	11.8		"	10.0	0.00	118	69-125				
tert-Amyl alcohol (TAA)	404		"	100	291	113	70-130				
tert-Amyl methyl ether (TAME)	13.9		"	10.0	0.00	139	70-130	High Bias			
tert-Butyl alcohol (TBA)	56.5		"	50.0	8.50	96.0	10-130				
tert-Butylbenzene	12.5		"	10.0	0.240	122	65-139				
Tetrachloroethylene	7.52		"	10.0	0.00	75.2	64-139				
Tetrahydrofuran	12.3		"	10.0	0.00	123	10-188				
Toluene	12.2		"	10.0	0.00	122	76-123				
trans-1,2-Dichloroethylene	12.2		"	10.0	0.00	122	79-131				
trans-1,3-Dichloropropylene	10.3		"	10.0	0.00	103	55-130				
trans-1,4-dichloro-2-butene	10.9		"	10.0	0.00	109	25-155				
Trichloroethylene	12.0		"	10.0	0.00	120	53-145				
Trichlorofluoromethane	14.3		"	10.0	0.00	143	61-142	High Bias			
Vinyl acetate	22.8		"	10.0	0.00	228	10-87	High Bias			
Vinyl Chloride	0.00		"	10.0	158	NR	31-165	Low Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	9.84		"	10.0		98.4	69-130				
Surrogate: SURR: Toluene-d8	9.57		"	10.0		95.7	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.65		"	10.0		96.5	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41880 - EPA 5030B											
Matrix Spike Dup (BJ41880-MSD1)		*Source sample: 24J1669-01 (Hanger E MW-1)					Prepared & Analyzed: 10/28/2024				
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0	0.00	113	45-161		1.49	30	
1,1,1-Trichloroethane	19.0		"	10.0	5.45	135	70-146		4.89	30	
1,1,2,2-Tetrachloroethane	11.3		"	10.0	0.00	113	74-121		3.15	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.0		"	10.0	0.00	140	21-217		2.31	30	
1,1,2-Trichloroethane	10.8		"	10.0	0.00	108	59-146		1.47	30	
1,1-Dichloroethane	17.8		"	10.0	5.93	118	54-146		2.06	30	
1,1-Dichloroethylene	23.7		"	10.0	10.1	136	44-165		0.0422	30	
1,1-Dichloropropylene	13.1		"	10.0	0.00	131	82-134		0.382	30	
1,2,3-Trichlorobenzene	11.2		"	10.0	0.00	112	40-161		2.30	30	
1,2,3-Trichloropropane	10.8		"	10.0	0.00	108	74-127		2.81	30	
1,2,4,5-Tetramethylbenzene	11.4		"	10.0	0.00	114	27-190		0.526	30	
1,2,4-Trichlorobenzene	11.2		"	10.0	0.00	112	41-161		1.59	30	
1,2,4-Trimethylbenzene	11.5		"	10.0	0.00	115	72-129		0.0868	30	
1,2-Dibromo-3-chloropropane	11.1		"	10.0	0.00	111	31-151		1.07	30	
1,2-Dibromoethane	11.2		"	10.0	0.00	112	75-125		0.891	30	
1,2-Dichlorobenzene	11.3		"	10.0	0.210	111	63-122		0.878	30	
1,2-Dichloroethane	15.0		"	10.0	3.15	118	68-131		1.08	30	
1,2-Dichloropropane	10.6		"	10.0	0.00	106	77-121		1.31	30	
1,3,5-Trimethylbenzene	12.2		"	10.0	0.00	122	69-126		0.0819	30	
1,3-Dichlorobenzene	11.3		"	10.0	0.00	113	74-119		0.0884	30	
1,3-Dichloropropane	10.8		"	10.0	0.00	108	77-119		0.923	30	
1,4-Dichlorobenzene	11.2		"	10.0	0.00	112	70-124		0.800	30	
1,4-Dioxane	2560		"	210	2120	211	10-310		19.8	30	
2,2-Dichloropropane	10.8		"	10.0	0.00	108	10-160		1.38	30	
2-Butanone	11.1		"	10.0	0.00	111	10-193		2.83	30	
2-Chlorotoluene	11.6		"	10.0	0.00	116	70-126		1.13	30	
2-Hexanone	9.49		"	10.0	0.00	94.9	53-133		1.36	30	
4-Chlorotoluene	11.6		"	10.0	0.00	116	69-124		0.173	30	
4-Methyl-2-pentanone	9.61		"	10.0	0.00	96.1	38-150		3.17	30	
Acetone	19.5		"	10.0	0.00	195	13-149	High Bias	1.38	30	
Acrolein	13.8		"	10.0	0.00	138	10-195		27.3	30	
Acrylonitrile	11.4		"	10.0	0.00	114	37-165		4.48	30	
Benzene	13.5		"	10.0	0.00	135	38-155		0.0740	30	
Bromobenzene	11.1		"	10.0	0.00	111	72-122		1.45	30	
Bromochloromethane	10.5		"	10.0	0.00	105	75-121		1.23	30	
Bromodichloromethane	10.9		"	10.0	0.00	109	70-129		0.820	30	
Bromoform	10.8		"	10.0	0.00	108	66-136		2.82	30	
Bromomethane	4.30		"	10.0	0.00	43.0	30-158		28.7	30	
Carbon disulfide	12.7		"	10.0	0.00	127	10-138		6.36	30	
Carbon tetrachloride	13.8		"	10.0	0.00	138	71-146		2.42	30	
Chlorobenzene	11.4		"	10.0	0.00	114	81-117		2.68	30	
Chloroethane	24.9		"	10.0	12.1	128	51-145		0.0803	30	
Chloroform	11.9		"	10.0	0.00	119	80-124		0.586	30	
Chloromethane	9.08		"	10.0	0.00	90.8	16-163		1.85	30	
cis-1,2-Dichloroethylene	13.5		"	10.0	2.14	113	76-125		0.371	30	
cis-1,3-Dichloropropylene	10.2		"	10.0	0.00	102	58-131		1.27	30	
Cyclohexane	11.7		"	10.0	0.00	117	70-130		0.599	30	
Dibromochloromethane	11.4		"	10.0	0.00	114	71-129		0.705	30	
Dibromomethane	10.6		"	10.0	0.00	106	76-120		2.52	30	
Dichlorodifluoromethane	13.3		"	10.0	0.00	133	30-147		6.85	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41880 - EPA 5030B

Matrix Spike Dup (BJ41880-MSD1)		*Source sample: 24J1669-01 (Hanger E MW-1)					Prepared & Analyzed: 10/28/2024				
Diisopropyl ether (DIPE)	10.9		ug/L	10.0	0.00	109	70-130		0.184	30	
Ethyl Benzene	12.3		"	10.0	0.00	123	72-128		0.812	30	
Ethyl tert-butyl ether (ETBE)	11.1		"	10.0	0.00	111	70-130		0.361	30	
Hexachlorobutadiene	12.0		"	10.0	0.00	120	34-166		0.166	30	
Iodomethane	3.40		"	10.0	0.00	34.0	70-130	Low Bias	30.5	30	Non-dir.
Isopropylbenzene	12.5		"	10.0	0.00	125	66-139		0.725	30	
Methyl acetate	9.59		"	10.0	0.00	95.9	10-200		3.99	30	
Methyl Methacrylate	10.9		"	10.0	0.00	109	68-124		1.19	30	
Methyl tert-butyl ether (MTBE)	10.9		"	10.0	0.00	109	75-128		1.29	30	
Methyleyclohexane	12.3		"	10.0	0.690	116	70-130		0.572	30	
Methylene chloride	11.6		"	10.0	0.00	116	57-128		1.04	30	
Naphthalene	11.6		"	10.0	0.00	116	39-158		0.954	30	
n-Butylbenzene	12.0		"	10.0	0.00	120	61-138		2.71	30	
n-Propylbenzene	12.2		"	10.0	0.00	122	66-134		0.823	30	
o-Xylene	11.8		"	10.0	0.00	118	69-126		1.60	30	
p- & m- Xylenes	21.1		"	20.0	0.00	105	67-130		1.97	30	
p-Diethylbenzene	12.2		"	10.0	0.320	118	52-150		1.47	30	
p-Ethyltoluene	12.2		"	10.0	0.00	122	76-127		0.245	30	
p-Isopropyltoluene	12.5		"	10.0	0.00	125	64-137		1.19	30	
sec-Butylbenzene	12.1		"	10.0	0.00	121	53-155		0.413	30	
Styrene	11.6		"	10.0	0.00	116	69-125		1.96	30	
tert-Amyl alcohol (TAA)	395		"	100	291	104	70-130		2.38	30	
tert-Amyl methyl ether (TAME)	14.1		"	10.0	0.00	141	70-130	High Bias	1.00	30	
tert-Butyl alcohol (TBA)	62.3		"	50.0	8.50	108	10-130		9.68	30	
tert-Butylbenzene	12.6		"	10.0	0.240	124	65-139		1.20	30	
Tetrachloroethylene	7.32		"	10.0	0.00	73.2	64-139		2.70	30	
Tetrahydrofuran	12.0		"	10.0	0.00	120	10-188		2.06	30	
Toluene	12.0		"	10.0	0.00	120	76-123		1.66	30	
trans-1,2-Dichloroethylene	12.4		"	10.0	0.00	124	79-131		1.55	30	
trans-1,3-Dichloropropylene	10.2		"	10.0	0.00	102	55-130		1.27	30	
trans-1,4-dichloro-2-butene	10.7		"	10.0	0.00	107	25-155		1.11	30	
Trichloroethylene	11.8		"	10.0	0.00	118	53-145		1.77	30	
Trichlorofluoromethane	13.6		"	10.0	0.00	136	61-142		4.59	30	
Vinyl acetate	22.4		"	10.0	0.00	224	10-87	High Bias	1.90	30	
Vinyl Chloride	0.00		"	10.0	158	NR	31-165	Low Bias		30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.90		"	10.0		99.0	69-130				
Surrogate: SURR: Toluene-d8	9.66		"	10.0		96.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.94		"	10.0		99.4	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41970 - EPA 5030B

Blank (BJ41970-BLK1)

Prepared & Analyzed: 10/29/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4,5-Tetramethylbenzene	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41970 - EPA 5030B

Blank (BJ41970-BLK1)

Prepared & Analyzed: 10/29/2024

Diisopropyl ether (DIPE)	ND	0.800	ug/L
Ethyl Benzene	ND	0.500	"
Ethyl tert-butyl ether (ETBE)	ND	0.800	"
Hexachlorobutadiene	ND	0.500	"
Iodomethane	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl acetate	ND	0.500	"
Methyl Methacrylate	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methyleyclohexane	ND	0.500	"
Methylene chloride	0.540	2.00	"
Naphthalene	ND	2.00	"
n-Butylbenzene	ND	0.500	"
n-Propylbenzene	ND	0.500	"
o-Xylene	ND	0.500	"
p- & m- Xylenes	ND	1.00	"
p-Diethylbenzene	ND	0.500	"
p-Ethyltoluene	ND	0.500	"
p-Isopropyltoluene	ND	0.500	"
sec-Butylbenzene	ND	0.500	"
Styrene	ND	0.500	"
tert-Amyl alcohol (TAA)	ND	8.00	"
tert-Amyl methyl ether (TAME)	ND	0.800	"
tert-Butyl alcohol (TBA)	ND	1.00	"
tert-Butylbenzene	ND	0.500	"
Tetrachloroethylene	ND	0.500	"
Tetrahydrofuran	ND	0.500	"
Toluene	ND	0.500	"
trans-1,2-Dichloroethylene	ND	0.500	"
trans-1,3-Dichloropropylene	ND	0.500	"
trans-1,4-dichloro-2-butene	ND	0.500	"
Trichloroethylene	ND	0.500	"
Trichlorofluoromethane	ND	0.500	"
Vinyl acetate	ND	0.500	"
Vinyl Chloride	ND	0.500	"
Xylenes, Total	ND	1.50	"

Surrogate: SURR: 1,2-Dichloroethane-d4	9.59	"	10.0	95.9	69-130
Surrogate: SURR: Toluene-d8	9.76	"	10.0	97.6	81-117
Surrogate: SURR: p-Bromofluorobenzene	10.1	"	10.0	101	79-122



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41970 - EPA 5030B											
LCS (BJ41970-BS1)						Prepared & Analyzed: 10/29/2024					
1,1,1,2-Tetrachloroethane	9.61		ug/L	10.0		96.1	82-126				
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136				
1,1,2,2-Tetrachloroethane	9.27		"	10.0		92.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165				
1,1,2-Trichloroethane	9.24		"	10.0		92.4	82-123				
1,1-Dichloroethane	9.79		"	10.0		97.9	82-129				
1,1-Dichloroethylene	10.7		"	10.0		107	68-138				
1,1-Dichloropropylene	10.8		"	10.0		108	83-133				
1,2,3-Trichlorobenzene	9.52		"	10.0		95.2	76-136				
1,2,3-Trichloropropane	8.92		"	10.0		89.2	77-128				
1,2,4,5-Tetramethylbenzene	9.66		"	10.0		96.6	85-140				
1,2,4-Trichlorobenzene	9.55		"	10.0		95.5	76-137				
1,2,4-Trimethylbenzene	9.81		"	10.0		98.1	82-132				
1,2-Dibromo-3-chloropropane	9.66		"	10.0		96.6	45-147				
1,2-Dibromoethane	9.43		"	10.0		94.3	83-124				
1,2-Dichlorobenzene	9.65		"	10.0		96.5	79-123				
1,2-Dichloroethane	9.74		"	10.0		97.4	73-132				
1,2-Dichloropropane	9.24		"	10.0		92.4	78-126				
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131				
1,3-Dichlorobenzene	9.72		"	10.0		97.2	86-122				
1,3-Dichloropropane	9.43		"	10.0		94.3	81-125				
1,4-Dichlorobenzene	9.66		"	10.0		96.6	85-124				
1,4-Dioxane	179		"	210		85.2	10-349				
2,2-Dichloropropane	10.6		"	10.0		106	56-150				
2-Butanone	9.40		"	10.0		94.0	49-152				
2-Chlorotoluene	9.71		"	10.0		97.1	79-130				
2-Hexanone	7.39		"	10.0		73.9	51-146				
4-Chlorotoluene	9.82		"	10.0		98.2	79-128				
4-Methyl-2-pentanone	8.28		"	10.0		82.8	57-145				
Acetone	16.8		"	10.0		168	14-150	High Bias			
Acrolein	10.8		"	10.0		108	10-153				
Acrylonitrile	9.80		"	10.0		98.0	51-150				
Benzene	10.6		"	10.0		106	85-126				
Bromobenzene	9.43		"	10.0		94.3	78-129				
Bromochloromethane	9.15		"	10.0		91.5	77-128				
Bromodichloromethane	9.51		"	10.0		95.1	79-128				
Bromoform	9.55		"	10.0		95.5	78-133				
Bromomethane	4.88		"	10.0		48.8	43-168				
Carbon disulfide	10.4		"	10.0		104	68-146				
Carbon tetrachloride	11.1		"	10.0		111	77-141				
Chlorobenzene	9.86		"	10.0		98.6	88-120				
Chloroethane	11.2		"	10.0		112	65-136				
Chloroform	10.2		"	10.0		102	82-128				
Chloromethane	8.65		"	10.0		86.5	43-155				
cis-1,2-Dichloroethylene	9.94		"	10.0		99.4	83-129				
cis-1,3-Dichloropropylene	9.07		"	10.0		90.7	80-131				
Cyclohexane	9.24		"	10.0		92.4	63-149				
Dibromochloromethane	9.63		"	10.0		96.3	80-130				
Dibromomethane	9.24		"	10.0		92.4	72-134				
Dichlorodifluoromethane	11.6		"	10.0		116	44-144				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41970 - EPA 5030B

LCS (BJ41970-BS1)

Prepared & Analyzed: 10/29/2024

Diisopropyl ether (DIPE)	9.38		ug/L	10.0		93.8	70-130				
Ethyl Benzene	10.3		"	10.0		103	80-131				
Ethyl tert-butyl ether (ETBE)	9.32		"	10.0		93.2	70-130				
Hexachlorobutadiene	10.2		"	10.0		102	67-146				
Iodomethane	2.55		"	10.0		25.5	70-130	Low Bias			
Isopropylbenzene	10.3		"	10.0		103	76-140				
Methyl acetate	7.47		"	10.0		74.7	51-139				
Methyl Methacrylate	8.89		"	10.0		88.9	72-132				
Methyl tert-butyl ether (MTBE)	9.13		"	10.0		91.3	76-135				
Methyleyclohexane	9.56		"	10.0		95.6	72-143				
Methylene chloride	10.2		"	10.0		102	55-137				
Naphthalene	9.44		"	10.0		94.4	70-147				
n-Butylbenzene	10.2		"	10.0		102	79-132				
n-Propylbenzene	10.1		"	10.0		101	78-133				
o-Xylene	10.0		"	10.0		100	78-130				
p- & m- Xylenes	17.7		"	20.0		88.5	77-133				
p-Diethylbenzene	9.99		"	10.0		99.9	84-134				
p-Ethyltoluene	10.2		"	10.0		102	88-129				
p-Isopropyltoluene	10.6		"	10.0		106	81-136				
sec-Butylbenzene	10.3		"	10.0		103	79-137				
Styrene	10.1		"	10.0		101	67-132				
tert-Amyl alcohol (TAA)	72.4		"	100		72.4	70-130				
tert-Amyl methyl ether (TAME)	9.50		"	10.0		95.0	70-130				
tert-Butyl alcohol (TBA)	36.6		"	50.0		73.2	25-162				
tert-Butylbenzene	10.3		"	10.0		103	77-138				
Tetrachloroethylene	6.26		"	10.0		62.6	82-131	Low Bias			
Tetrahydrofuran	9.39		"	10.0		93.9	36-166				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.07		"	10.0		90.7	78-131				
trans-1,4-dichloro-2-butene	9.44		"	10.0		94.4	63-141				
Trichloroethylene	9.81		"	10.0		98.1	82-128				
Trichlorofluoromethane	11.6		"	10.0		116	67-139				
Vinyl acetate	14.8		"	10.0		148	21-90	High Bias			
Vinyl Chloride	10.8		"	10.0		108	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.62		"	10.0		96.2	69-130				
Surrogate: SURR: Toluene-d8	9.84		"	10.0		98.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.80		"	10.0		98.0	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BJ41970 - EPA 5030B											
LCS Dup (BJ41970-BSD1)						Prepared & Analyzed: 10/29/2024					
1,1,1,2-Tetrachloroethane	9.97		ug/L	10.0		99.7	82-126		3.68	30	
1,1,1-Trichloroethane	10.1		"	10.0		101	78-136		3.21	30	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129		10.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165		2.72	30	
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123		8.50	30	
1,1-Dichloroethane	9.71		"	10.0		97.1	82-129		0.821	30	
1,1-Dichloroethylene	10.5		"	10.0		105	68-138		1.70	30	
1,1-Dichloropropylene	10.3		"	10.0		103	83-133		3.98	30	
1,2,3-Trichlorobenzene	10.1		"	10.0		101	76-136		5.81	30	
1,2,3-Trichloropropane	9.82		"	10.0		98.2	77-128		9.61	30	
1,2,4,5-Tetramethylbenzene	9.69		"	10.0		96.9	85-140		0.310	30	
1,2,4-Trichlorobenzene	9.98		"	10.0		99.8	76-137		4.40	30	
1,2,4-Trimethylbenzene	9.96		"	10.0		99.6	82-132		1.52	30	
1,2-Dibromo-3-chloropropane	5.74		"	10.0		57.4	45-147		50.9	30	Non-dir.
1,2-Dibromoethane	10.1		"	10.0		101	83-124		7.26	30	
1,2-Dichlorobenzene	9.91		"	10.0		99.1	79-123		2.66	30	
1,2-Dichloroethane	10.4		"	10.0		104	73-132		6.84	30	
1,2-Dichloropropane	9.43		"	10.0		94.3	78-126		2.04	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131		1.76	30	
1,3-Dichlorobenzene	9.75		"	10.0		97.5	86-122		0.308	30	
1,3-Dichloropropane	9.86		"	10.0		98.6	81-125		4.46	30	
1,4-Dichlorobenzene	9.72		"	10.0		97.2	85-124		0.619	30	
1,4-Dioxane	332		"	210		158	10-349		59.8	30	Non-dir.
2,2-Dichloropropane	10.2		"	10.0		102	56-150		3.56	30	
2-Butanone	9.11		"	10.0		91.1	49-152		3.13	30	
2-Chlorotoluene	9.57		"	10.0		95.7	79-130		1.45	30	
2-Hexanone	8.52		"	10.0		85.2	51-146		14.2	30	
4-Chlorotoluene	9.79		"	10.0		97.9	79-128		0.306	30	
4-Methyl-2-pentanone	9.49		"	10.0		94.9	57-145		13.6	30	
Acetone	20.2		"	10.0		202	14-150	High Bias	17.8	30	
Acrolein	12.5		"	10.0		125	10-153		14.5	30	
Acrylonitrile	10.8		"	10.0		108	51-150		9.80	30	
Benzene	10.5		"	10.0		105	85-126		0.665	30	
Bromobenzene	9.55		"	10.0		95.5	78-129		1.26	30	
Bromochloromethane	9.53		"	10.0		95.3	77-128		4.07	30	
Bromodichloromethane	9.71		"	10.0		97.1	79-128		2.08	30	
Bromoform	9.94		"	10.0		99.4	78-133		4.00	30	
Bromomethane	5.26		"	10.0		52.6	43-168		7.50	30	
Carbon disulfide	10.1		"	10.0		101	68-146		2.73	30	
Carbon tetrachloride	10.6		"	10.0		106	77-141		5.17	30	
Chlorobenzene	9.85		"	10.0		98.5	88-120		0.101	30	
Chloroethane	11.3		"	10.0		113	65-136		0.976	30	
Chloroform	10.1		"	10.0		101	82-128		0.689	30	
Chloromethane	8.32		"	10.0		83.2	43-155		3.89	30	
cis-1,2-Dichloroethylene	9.78		"	10.0		97.8	83-129		1.62	30	
cis-1,3-Dichloropropylene	9.37		"	10.0		93.7	80-131		3.25	30	
Cyclohexane	8.68		"	10.0		86.8	63-149		6.25	30	
Dibromochloromethane	9.92		"	10.0		99.2	80-130		2.97	30	
Dibromomethane	9.76		"	10.0		97.6	72-134		5.47	30	
Dichlorodifluoromethane	11.5		"	10.0		115	44-144		0.866	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41970 - EPA 5030B

LCS Dup (BJ41970-BSD1)

Prepared & Analyzed: 10/29/2024

Diisopropyl ether (DIPE)	9.65		ug/L	10.0		96.5	70-130		2.84	30
Ethyl Benzene	10.2		"	10.0		102	80-131		1.17	30
Ethyl tert-butyl ether (ETBE)	10.0		"	10.0		100	70-130		7.44	30
Hexachlorobutadiene	9.83		"	10.0		98.3	67-146		3.79	30
Iodomethane	2.39		"	10.0		23.9	70-130	Low Bias	6.48	30
Isopropylbenzene	9.99		"	10.0		99.9	76-140		2.96	30
Methyl acetate	9.08		"	10.0		90.8	51-139		19.5	30
Methyl Methacrylate	10.3		"	10.0		103	72-132		14.4	30
Methyl tert-butyl ether (MTBE)	9.77		"	10.0		97.7	76-135		6.77	30
Methyleyclohexane	9.01		"	10.0		90.1	72-143		5.92	30
Methylene chloride	10.2		"	10.0		102	55-137		0.588	30
Naphthalene	10.6		"	10.0		106	70-147		12.0	30
n-Butylbenzene	9.87		"	10.0		98.7	79-132		2.99	30
n-Propylbenzene	9.87		"	10.0		98.7	78-133		2.70	30
o-Xylene	9.89		"	10.0		98.9	78-130		1.11	30
p- & m- Xylenes	17.5		"	20.0		87.4	77-133		1.19	30
p-Diethylbenzene	9.79		"	10.0		97.9	84-134		2.02	30
p-Ethyltoluene	10.0		"	10.0		100	88-129		1.68	30
p-Isopropyltoluene	10.2		"	10.0		102	81-136		3.27	30
sec-Butylbenzene	10.2		"	10.0		102	79-137		0.975	30
Styrene	10.0		"	10.0		100	67-132		0.695	30
tert-Amyl alcohol (TAA)	96.4		"	100		96.4	70-130		28.4	30
tert-Amyl methyl ether (TAME)	10.3		"	10.0		103	70-130		7.69	30
tert-Butyl alcohol (TBA)	49.1		"	50.0		98.2	25-162		29.3	30
tert-Butylbenzene	10.0		"	10.0		100	77-138		2.85	30
Tetrachloroethylene	5.97		"	10.0		59.7	82-131	Low Bias	4.74	30
Tetrahydrofuran	11.3		"	10.0		113	36-166		18.4	30
Toluene	9.95		"	10.0		99.5	80-127		2.09	30
trans-1,2-Dichloroethylene	9.87		"	10.0		98.7	80-132		2.40	30
trans-1,3-Dichloropropylene	9.37		"	10.0		93.7	78-131		3.25	30
trans-1,4-dichloro-2-butene	9.36		"	10.0		93.6	63-141		0.851	30
Trichloroethylene	9.78		"	10.0		97.8	82-128		0.306	30
Trichlorofluoromethane	11.4		"	10.0		114	67-139		1.92	30
Vinyl acetate	15.5		"	10.0		155	21-90	High Bias	4.42	30
Vinyl Chloride	10.4		"	10.0		104	58-145		3.30	30
Surrogate: SURR: 1,2-Dichloroethane-d4	9.88		"	10.0		98.8	69-130			
Surrogate: SURR: Toluene-d8	9.51		"	10.0		95.1	81-117			
Surrogate: SURR: p-Bromofluorobenzene	9.87		"	10.0		98.7	79-122			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40147 - EPA 5030B

Blank (BK40147-BLK1)

Prepared & Analyzed: 11/04/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	0.240	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4,5-Tetramethylbenzene	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40147 - EPA 5030B

Blank (BK40147-BLK1)

Prepared & Analyzed: 11/04/2024

Diisopropyl ether (DIPE)	ND	0.800	ug/L								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methyleyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	0.240	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	12.0		"	10.0		120	69-130				
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.8		"	10.0		108	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40147 - EPA 5030B											
LCS (BK40147-BS1)						Prepared & Analyzed: 11/04/2024					
1,1,1,2-Tetrachloroethane	8.11		ug/L	10.0		81.1	82-126	Low Bias			
1,1,1-Trichloroethane	8.63		"	10.0		86.3	78-136				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.36		"	10.0		83.6	54-165				
1,1,2-Trichloroethane	8.86		"	10.0		88.6	82-123				
1,1-Dichloroethane	8.20		"	10.0		82.0	82-129				
1,1-Dichloroethylene	8.53		"	10.0		85.3	68-138				
1,1-Dichloropropylene	8.93		"	10.0		89.3	83-133				
1,2,3-Trichlorobenzene	8.87		"	10.0		88.7	76-136				
1,2,3-Trichloropropane	9.18		"	10.0		91.8	77-128				
1,2,4,5-Tetramethylbenzene	8.93		"	10.0		89.3	85-140				
1,2,4-Trichlorobenzene	8.83		"	10.0		88.3	76-137				
1,2,4-Trimethylbenzene	9.51		"	10.0		95.1	82-132				
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	45-147				
1,2-Dibromoethane	8.64		"	10.0		86.4	83-124				
1,2-Dichlorobenzene	8.16		"	10.0		81.6	79-123				
1,2-Dichloroethane	9.83		"	10.0		98.3	73-132				
1,2-Dichloropropane	9.27		"	10.0		92.7	78-126				
1,3,5-Trimethylbenzene	9.53		"	10.0		95.3	80-131				
1,3-Dichlorobenzene	8.21		"	10.0		82.1	86-122	Low Bias			
1,3-Dichloropropane	8.92		"	10.0		89.2	81-125				
1,4-Dichlorobenzene	8.10		"	10.0		81.0	85-124	Low Bias			
1,4-Dioxane	349		"	210		166	10-349				
2,2-Dichloropropane	9.13		"	10.0		91.3	56-150				
2-Butanone	8.58		"	10.0		85.8	49-152				
2-Chlorotoluene	9.60		"	10.0		96.0	79-130				
2-Hexanone	9.21		"	10.0		92.1	51-146				
4-Chlorotoluene	9.32		"	10.0		93.2	79-128				
4-Methyl-2-pentanone	10.4		"	10.0		104	57-145				
Acetone	20.8		"	10.0		208	14-150	High Bias			
Acrolein	9.91		"	10.0		99.1	10-153				
Acrylonitrile	8.78		"	10.0		87.8	51-150				
Benzene	8.23		"	10.0		82.3	85-126	Low Bias			
Bromobenzene	9.49		"	10.0		94.9	78-129				
Bromochloromethane	8.91		"	10.0		89.1	77-128				
Bromodichloromethane	8.97		"	10.0		89.7	79-128				
Bromoform	7.25		"	10.0		72.5	78-133	Low Bias			
Bromomethane	9.05		"	10.0		90.5	43-168				
Carbon disulfide	6.47		"	10.0		64.7	68-146	Low Bias			
Carbon tetrachloride	8.81		"	10.0		88.1	77-141				
Chlorobenzene	8.40		"	10.0		84.0	88-120	Low Bias			
Chloroethane	8.90		"	10.0		89.0	65-136				
Chloroform	8.06		"	10.0		80.6	82-128	Low Bias			
Chloromethane	8.63		"	10.0		86.3	43-155				
cis-1,2-Dichloroethylene	8.72		"	10.0		87.2	83-129				
cis-1,3-Dichloropropylene	8.71		"	10.0		87.1	80-131				
Cyclohexane	8.45		"	10.0		84.5	63-149				
Dibromochloromethane	7.99		"	10.0		79.9	80-130	Low Bias			
Dibromomethane	9.02		"	10.0		90.2	72-134				
Dichlorodifluoromethane	7.51		"	10.0		75.1	44-144				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40147 - EPA 5030B

LCS (BK40147-BS1)

Prepared & Analyzed: 11/04/2024

Diisopropyl ether (DIPE)	8.93		ug/L	10.0		89.3	70-130				
Ethyl Benzene	9.35		"	10.0		93.5	80-131				
Ethyl tert-butyl ether (ETBE)	8.95		"	10.0		89.5	70-130				
Hexachlorobutadiene	9.46		"	10.0		94.6	67-146				
Iodomethane	6.27		"	10.0		62.7	70-130	Low Bias			
Isopropylbenzene	9.52		"	10.0		95.2	76-140				
Methyl acetate	9.41		"	10.0		94.1	51-139				
Methyl Methacrylate	9.36		"	10.0		93.6	72-132				
Methyl tert-butyl ether (MTBE)	8.17		"	10.0		81.7	76-135				
Methyleyclohexane	9.44		"	10.0		94.4	72-143				
Methylene chloride	8.85		"	10.0		88.5	55-137				
Naphthalene	9.31		"	10.0		93.1	70-147				
n-Butylbenzene	10.7		"	10.0		107	79-132				
n-Propylbenzene	9.86		"	10.0		98.6	78-133				
o-Xylene	8.93		"	10.0		89.3	78-130				
p- & m- Xylenes	18.5		"	20.0		92.4	77-133				
p-Diethylbenzene	9.95		"	10.0		99.5	84-134				
p-Ethyltoluene	9.69		"	10.0		96.9	88-129				
p-Isopropyltoluene	9.57		"	10.0		95.7	81-136				
sec-Butylbenzene	9.96		"	10.0		99.6	79-137				
Styrene	8.66		"	10.0		86.6	67-132				
tert-Amyl alcohol (TAA)	96.4		"	100		96.4	70-130				
tert-Amyl methyl ether (TAME)	8.68		"	10.0		86.8	70-130				
tert-Butyl alcohol (TBA)	52.8		"	50.0		106	25-162				
tert-Butylbenzene	9.17		"	10.0		91.7	77-138				
Tetrachloroethylene	5.05		"	10.0		50.5	82-131	Low Bias			
Tetrahydrofuran	8.63		"	10.0		86.3	36-166				
Toluene	9.00		"	10.0		90.0	80-127				
trans-1,2-Dichloroethylene	8.38		"	10.0		83.8	80-132				
trans-1,3-Dichloropropylene	9.12		"	10.0		91.2	78-131				
trans-1,4-dichloro-2-butene	9.59		"	10.0		95.9	63-141				
Trichloroethylene	8.65		"	10.0		86.5	82-128				
Trichlorofluoromethane	9.92		"	10.0		99.2	67-139				
Vinyl acetate	15.6		"	10.0		156	21-90	High Bias			
Vinyl Chloride	8.85		"	10.0		88.5	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	11.3		"	10.0		113	69-130				
Surrogate: SURR: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.9		"	10.0		109	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BK40147 - EPA 5030B											
LCS Dup (BK40147-BSD1)						Prepared & Analyzed: 11/04/2024					
1,1,1,2-Tetrachloroethane	8.12		ug/L	10.0		81.2	82-126	Low Bias	0.123	30	
1,1,1-Trichloroethane	8.56		"	10.0		85.6	78-136		0.814	30	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-129		0.580	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.21		"	10.0		82.1	54-165		1.81	30	
1,1,2-Trichloroethane	9.08		"	10.0		90.8	82-123		2.45	30	
1,1-Dichloroethane	8.16		"	10.0		81.6	82-129	Low Bias	0.489	30	
1,1-Dichloroethylene	8.36		"	10.0		83.6	68-138		2.01	30	
1,1-Dichloropropylene	8.84		"	10.0		88.4	83-133		1.01	30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	76-136		14.0	30	
1,2,3-Trichloropropane	9.62		"	10.0		96.2	77-128		4.68	30	
1,2,4,5-Tetramethylbenzene	8.98		"	10.0		89.8	85-140		0.558	30	
1,2,4-Trichlorobenzene	9.21		"	10.0		92.1	76-137		4.21	30	
1,2,4-Trimethylbenzene	9.33		"	10.0		93.3	82-132		1.91	30	
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	45-147		5.13	30	
1,2-Dibromoethane	8.86		"	10.0		88.6	83-124		2.51	30	
1,2-Dichlorobenzene	8.23		"	10.0		82.3	79-123		0.854	30	
1,2-Dichloroethane	10.0		"	10.0		100	73-132		2.21	30	
1,2-Dichloropropane	9.15		"	10.0		91.5	78-126		1.30	30	
1,3,5-Trimethylbenzene	9.34		"	10.0		93.4	80-131		2.01	30	
1,3-Dichlorobenzene	8.15		"	10.0		81.5	86-122	Low Bias	0.734	30	
1,3-Dichloropropane	9.10		"	10.0		91.0	81-125		2.00	30	
1,4-Dichlorobenzene	8.03		"	10.0		80.3	85-124	Low Bias	0.868	30	
1,4-Dioxane	330		"	210		157	10-349		5.71	30	
2,2-Dichloropropane	8.93		"	10.0		89.3	56-150		2.21	30	
2-Butanone	8.95		"	10.0		89.5	49-152		4.22	30	
2-Chlorotoluene	9.37		"	10.0		93.7	79-130		2.42	30	
2-Hexanone	9.67		"	10.0		96.7	51-146		4.87	30	
4-Chlorotoluene	9.12		"	10.0		91.2	79-128		2.17	30	
4-Methyl-2-pentanone	11.0		"	10.0		110	57-145		5.49	30	
Acetone	21.4		"	10.0		214	14-150	High Bias	2.98	30	
Acrolein	9.58		"	10.0		95.8	10-153		3.39	30	
Acrylonitrile	9.38		"	10.0		93.8	51-150		6.61	30	
Benzene	8.12		"	10.0		81.2	85-126	Low Bias	1.35	30	
Bromobenzene	9.25		"	10.0		92.5	78-129		2.56	30	
Bromochloromethane	9.03		"	10.0		90.3	77-128		1.34	30	
Bromodichloromethane	8.99		"	10.0		89.9	79-128		0.223	30	
Bromoform	7.52		"	10.0		75.2	78-133	Low Bias	3.66	30	
Bromomethane	7.09		"	10.0		70.9	43-168		24.3	30	
Carbon disulfide	6.32		"	10.0		63.2	68-146	Low Bias	2.35	30	
Carbon tetrachloride	8.72		"	10.0		87.2	77-141		1.03	30	
Chlorobenzene	8.34		"	10.0		83.4	88-120	Low Bias	0.717	30	
Chloroethane	8.82		"	10.0		88.2	65-136		0.903	30	
Chloroform	8.08		"	10.0		80.8	82-128	Low Bias	0.248	30	
Chloromethane	8.78		"	10.0		87.8	43-155		1.72	30	
cis-1,2-Dichloroethylene	8.58		"	10.0		85.8	83-129		1.62	30	
cis-1,3-Dichloropropylene	8.75		"	10.0		87.5	80-131		0.458	30	
Cyclohexane	8.23		"	10.0		82.3	63-149		2.64	30	
Dibromochloromethane	8.19		"	10.0		81.9	80-130		2.47	30	
Dibromomethane	9.18		"	10.0		91.8	72-134		1.76	30	
Dichlorodifluoromethane	7.30		"	10.0		73.0	44-144		2.84	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40147 - EPA 5030B

LCS Dup (BK40147-BSD1)

Prepared & Analyzed: 11/04/2024

Diisopropyl ether (DIPE)	9.08		ug/L	10.0		90.8	70-130		1.67	30
Ethyl Benzene	9.19		"	10.0		91.9	80-131		1.73	30
Ethyl tert-butyl ether (ETBE)	9.33		"	10.0		93.3	70-130		4.16	30
Hexachlorobutadiene	9.31		"	10.0		93.1	67-146		1.60	30
Iodomethane	4.96		"	10.0		49.6	70-130	Low Bias	23.3	30
Isopropylbenzene	9.15		"	10.0		91.5	76-140		3.96	30
Methyl acetate	9.87		"	10.0		98.7	51-139		4.77	30
Methyl Methacrylate	9.75		"	10.0		97.5	72-132		4.08	30
Methyl tert-butyl ether (MTBE)	8.56		"	10.0		85.6	76-135		4.66	30
Methyleyclohexane	9.21		"	10.0		92.1	72-143		2.47	30
Methylene chloride	8.86		"	10.0		88.6	55-137		0.113	30
Naphthalene	10.5		"	10.0		105	70-147		12.0	30
n-Butylbenzene	10.5		"	10.0		105	79-132		1.79	30
n-Propylbenzene	9.52		"	10.0		95.2	78-133		3.51	30
o-Xylene	8.86		"	10.0		88.6	78-130		0.787	30
p- & m- Xylenes	18.2		"	20.0		91.0	77-133		1.42	30
p-Diethylbenzene	9.79		"	10.0		97.9	84-134		1.62	30
p-Ethyltoluene	9.44		"	10.0		94.4	88-129		2.61	30
p-Isopropyltoluene	9.36		"	10.0		93.6	81-136		2.22	30
sec-Butylbenzene	9.66		"	10.0		96.6	79-137		3.06	30
Styrene	8.68		"	10.0		86.8	67-132		0.231	30
tert-Amyl alcohol (TAA)	105		"	100		105	70-130		8.15	30
tert-Amyl methyl ether (TAME)	9.08		"	10.0		90.8	70-130		4.50	30
tert-Butyl alcohol (TBA)	55.4		"	50.0		111	25-162		4.79	30
tert-Butylbenzene	8.90		"	10.0		89.0	77-138		2.99	30
Tetrachloroethylene	4.95		"	10.0		49.5	82-131	Low Bias	2.00	30
Tetrahydrofuran	8.83		"	10.0		88.3	36-166		2.29	30
Toluene	8.84		"	10.0		88.4	80-127		1.79	30
trans-1,2-Dichloroethylene	8.21		"	10.0		82.1	80-132		2.05	30
trans-1,3-Dichloropropylene	9.20		"	10.0		92.0	78-131		0.873	30
trans-1,4-dichloro-2-butene	9.61		"	10.0		96.1	63-141		0.208	30
Trichloroethylene	8.47		"	10.0		84.7	82-128		2.10	30
Trichlorofluoromethane	9.84		"	10.0		98.4	67-139		0.810	30
Vinyl acetate	15.8		"	10.0		158	21-90	High Bias	1.53	30
Vinyl Chloride	8.77		"	10.0		87.7	58-145		0.908	30
Surrogate: SURR: 1,2-Dichloroethane-d4	11.6		"	10.0		116	69-130			
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	81-117			
Surrogate: SURR: p-Bromofluorobenzene	10.7		"	10.0		107	79-122			



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ42100 - EPA 3535A											
Blank (BJ42100-BLK1)						Prepared: 10/30/2024 Analyzed: 11/01/2024					
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	3.04		"	4.00		76.0	36.6-118				
LCS (BJ42100-BS1)						Prepared: 10/30/2024 Analyzed: 11/01/2024					
1,4-Dioxane	2.98	0.300	ug/L	4.00		74.5	50-130				
Surrogate: 1,4-Dioxane-d8	2.88		"	4.00		72.0	36.6-118				
Matrix Spike (BJ42100-MS1)						*Source sample: 24J1669-01 (Hanger E MW-1) Prepared: 10/30/2024 Analyzed: 11/01/2024					
1,4-Dioxane	1120	0.300	ug/L	4.00	572	NR	50-130	High Bias			
Surrogate: 1,4-Dioxane-d8	2.56		"	4.00		64.0	50-130				
Matrix Spike Dup (BJ42100-MSD1)						*Source sample: 24J1669-01 (Hanger E MW-1) Prepared: 10/30/2024 Analyzed: 11/01/2024					
1,4-Dioxane	1160	0.300	ug/L	4.00	572	NR	50-130	High Bias	3.22	30	
Surrogate: 1,4-Dioxane-d8	2.56		"	4.00		64.0	50-130				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40095 - EPA 1633 Prep

Blank (BK40095-BLK1)

Prepared: 11/02/2024 Analyzed: 11/04/2024

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	28.0		"	23.3		120	25-150				
Surrogate: M5PFHxA	35.8		"	25.0		143	25-150				
Surrogate: M4PFHpA	29.1		"	25.0		116	25-150				
Surrogate: M3PFHxS	30.1		"	23.7		127	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	38.6		"	25.0		155	25-150				
Surrogate: M6PFDA	20.1		"	12.5		161	25-150				
Surrogate: M7PFUdA	13.8		"	12.5		110	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40095 - EPA 1633 Prep

Blank (BK40095-BLK1)

Prepared: 11/02/2024 Analyzed: 11/04/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	10.2		ng/L	12.5		81.8	25-150				
Surrogate: M2PFTeDA	6.47		"	12.5		51.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	6.86		"	100		6.86	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	36.0		"	24.0		150	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	50.0		"	50.0		100	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	36.9		"	25.0		147	10-150				
Surrogate: d3-N-MeFOSAA	63.8		"	50.0		128	25-150				
Surrogate: d5-N-EtFOSAA	72.7		"	50.0		145	25-150				
Surrogate: M2-6:2 FTS	48.5		"	47.6		102	25-200				
Surrogate: M2-8:2 FTS	48.4		"	48.0		101	25-200				
Surrogate: M9PFNA	17.5		"	12.5		140	25-150				
Surrogate: M2-4:2 FTS	69.2		"	46.9		148	25-150				
Surrogate: d-N-MeFOSA	24.9		"	25.0		99.4	25-150				
Surrogate: d-N-EtFOSA	18.6		"	25.0		74.5	25-150				
Surrogate: M3HFPO-DA	146		"	100		146	25-150				
Surrogate: d9-N-EtFOSE	181		"	250		72.2	25-150				
Surrogate: d7-N-MeFOSE	235		"	250		94.2	25-150				

LCS (BK40095-BS1)

Prepared: 11/02/2024 Analyzed: 11/04/2024

Perfluorobutanesulfonic acid (PFBS)	34.5	1.77	ng/L	35.4		97.5	50-150				
Perfluorohexanoic acid (PFHxA)	39.6	2.00	"	40.0		99.0	50-150				
Perfluoroheptanoic acid (PFHpA)	57.1	2.00	"	40.0		143	50-150				
Perfluorohexanesulfonic acid (PFHxS)	39.9	1.83	"	36.6		109	50-150				
Perfluorooctanoic acid (PFOA)	32.3	2.00	"	40.0		80.6	50-150				
Perfluorooctanesulfonic acid (PFOS)	41.3	1.86	"	37.2		111	50-150				
Perfluorononanoic acid (PFNA)	39.5	2.00	"	40.0		98.8	50-150				
Perfluorodecanoic acid (PFDA)	35.3	2.00	"	40.0		88.3	50-150				
Perfluoroundecanoic acid (PFUnA)	45.0	2.00	"	40.0		112	50-150				
Perfluorododecanoic acid (PFDoA)	38.8	2.00	"	40.0		96.9	50-150				
Perfluorotridecanoic acid (PFTriDA)	52.8	2.00	"	40.0		132	50-150				
Perfluorotetradecanoic acid (PFTA)	44.8	2.00	"	40.0		112	50-150				
N-MeFOSAA	41.4	2.00	"	40.0		103	50-150				
N-EtFOSAA	41.0	2.00	"	40.0		102	50-150				
Perfluoropentanoic acid (PFPeA)	88.3	4.00	"	80.0		110	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	33.7	2.00	"	40.0		84.3	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	40.9	1.91	"	38.2		107	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	39.8	1.93	"	38.6		103	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	152	7.60	"	152		100	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	149	7.68	"	154		97.3	50-150				
Perfluoro-n-butanoic acid (PFBA)	146	8.00	"	160		91.1	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	87.1	3.56	"	71.2		122	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	91.2	4.00	"	80.0		114	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	13.7	4.00	"	80.0		17.1	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	128	4.00	"	80.0		160	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	42.4	1.88	"	37.6		113	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40095 - EPA 1633 Prep

LCS (BK40095-BS1)

Prepared: 11/02/2024 Analyzed: 11/04/2024

1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	132	7.50	ng/L	150		88.1	50-150				
HFPO-DA (Gen-X)	82.5	8.00	"	80.0		103	50-150				
11CL-PF3OUdS	82.1	7.56	"	75.6		109	50-150				
9CL-PF3ONS	87.2	7.48	"	74.8		117	50-150				
ADONA	90.4	7.56	"	75.6		120	50-150				
Perfluorododecanesulfonic acid (PFDoS)	26.4	1.94	"	38.8		68.0	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	40.3	1.92	"	38.4		105	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	94.8	5.00	"	160		59.3	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	910	25.0	"	800		114	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1030	25.0	"	800		128	50-150				
N-MeFOSE	377	20.0	"	400		94.3	50-150				
N-MeFOSA	47.3	2.00	"	40.0		118	50-150				
N-EtFOSE	418	20.0	"	400		104	50-150				
N-EtFOSA	36.8	2.00	"	40.0		92.1	50-150				
Surrogate: M3PFBS	28.7		"	23.3		123	25-150				
Surrogate: M5PFHxA	35.8		"	25.0		143	25-150				
Surrogate: M4PFHpA	29.4		"	25.0		118	25-150				
Surrogate: M3PFHxS	31.1		"	23.7		131	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	41.5		"	25.0		166	25-150				
Surrogate: M6PFDA	17.5		"	12.5		140	25-150				
Surrogate: M7PFUdA	17.7		"	12.5		142	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	13.9		"	12.5		111	25-150				
Surrogate: M2PFTeDA	9.40		"	12.5		75.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.88		"	100		2.88	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	34.2		"	24.0		143	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	32.7		"	50.0		65.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	35.4		"	25.0		141	10-150				
Surrogate: d3-N-MeFOSAA	64.9		"	50.0		130	25-150				
Surrogate: d5-N-EtFOSAA	75.0		"	50.0		150	25-150				
Surrogate: M2-6:2 FTS	56.7		"	47.6		119	25-200				
Surrogate: M2-8:2 FTS	61.9		"	48.0		129	25-200				
Surrogate: M9PFNA	17.4		"	12.5		139	25-150				
Surrogate: M2-4:2 FTS	69.5		"	46.9		148	25-150				
Surrogate: d-N-MeFOSA	24.6		"	25.0		98.2	25-150				
Surrogate: d-N-EtFOSA	20.7		"	25.0		82.7	25-150				
Surrogate: M3HFPO-DA	140		"	100		140	25-150				
Surrogate: d9-N-EtFOSE	197		"	250		78.7	25-150				
Surrogate: d7-N-MeFOSE	240		"	250		96.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40095 - EPA 1633 Prep											
LCS (BK40095-BS2)						Prepared: 11/02/2024 Analyzed: 11/04/2024					
Perfluorobutanesulfonic acid (PFBS)	6.78	1.77	ng/L	7.08		95.7	50-150				
Perfluorohexanoic acid (PFHxA)	7.70	2.00	"	8.00		96.2	50-150				
Perfluoroheptanoic acid (PFHpA)	11.5	2.00	"	8.00		144	50-150				
Perfluorohexanesulfonic acid (PFHxS)	7.70	1.83	"	7.32		105	50-150				
Perfluorooctanoic acid (PFOA)	6.57	2.00	"	8.00		82.2	50-150				
Perfluorooctanesulfonic acid (PFOS)	7.95	1.86	"	7.44		107	50-150				
Perfluorononanoic acid (PFNA)	8.30	2.00	"	8.00		104	50-150				
Perfluorodecanoic acid (PFDA)	7.16	2.00	"	8.00		89.5	50-150				
Perfluoroundecanoic acid (PFUnA)	9.52	2.00	"	8.00		119	50-150				
Perfluorododecanoic acid (PFDoA)	7.94	2.00	"	8.00		99.3	50-150				
Perfluorotridecanoic acid (PFTriDA)	10.9	2.00	"	8.00		136	50-150				
Perfluorotetradecanoic acid (PFTA)	7.98	2.00	"	8.00		99.7	50-150				
N-MeFOSAA	7.93	2.00	"	8.00		99.1	50-150				
N-EtFOSAA	9.48	2.00	"	8.00		118	50-150				
Perfluoropentanoic acid (PFPeA)	16.4	4.00	"	16.0		103	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.93	2.00	"	8.00		86.7	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	8.01	1.91	"	7.64		105	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	7.07	1.93	"	7.72		91.6	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	30.3	7.60	"	30.4		99.6	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	29.3	7.68	"	30.7		95.4	50-150				
Perfluoro-n-butanoic acid (PFBA)	31.7	8.00	"	32.0		99.0	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	16.5	3.56	"	14.2		116	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	19.0	4.00	"	16.0		119	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	3.36	4.00	"	16.0		21.0	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	21.9	4.00	"	16.0		137	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	8.42	1.88	"	7.52		112	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	26.8	7.50	"	30.0		89.5	50-150				
HFPO-DA (Gen-X)	17.8	8.00	"	16.0		111	50-150				
11CL-PF3OUdS	16.4	7.56	"	15.1		109	50-150				
9CL-PF3ONS	18.0	7.48	"	15.0		120	50-150				
ADONA	18.9	7.56	"	15.1		125	50-150				
Perfluorododecanesulfonic acid (PFDoS)	4.61	1.94	"	7.76		59.4	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	8.50	1.92	"	7.68		111	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	18.8	5.00	"	32.0		58.8	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	168	25.0	"	160		105	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	190	25.0	"	160		119	50-150				
N-MeFOSE	80.0	20.0	"	80.0		100	50-150				
N-MeFOSA	11.1	2.00	"	8.00		139	50-150				
N-EtFOSE	81.3	20.0	"	80.0		102	50-150				
N-EtFOSA	8.99	2.00	"	8.00		112	50-150				
Surrogate: M3PFBS	28.3		"	23.3		121	25-150				
Surrogate: M5PFHxA	34.5		"	25.0		138	25-150				
Surrogate: M4PFHpA	25.6		"	25.0		103	25-150				
Surrogate: M3PFHxS	31.1		"	23.7		131	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	40.5		"	25.0		162	25-150				
Surrogate: M6PFDA	17.5		"	12.5		140	25-150				
Surrogate: M7PFUdA	16.7		"	12.5		134	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40095 - EPA 1633 Prep

LCS (BK40095-BS2)

Prepared: 11/02/2024 Analyzed: 11/04/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	14.0		ng/L	12.5		112	25-150				
Surrogate: M2PFTeDA	9.34		"	12.5		74.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.92		"	100		4.92	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	31.4		"	24.0		131	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	39.3		"	50.0		78.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	31.6		"	25.0		127	10-150				
Surrogate: d3-N-MeFOSAA	60.6		"	50.0		121	25-150				
Surrogate: d5-N-EtFOSAA	68.0		"	50.0		136	25-150				
Surrogate: M2-6:2 FTS	52.7		"	47.6		111	25-200				
Surrogate: M2-8:2 FTS	57.5		"	48.0		120	25-200				
Surrogate: M9PFNA	14.4		"	12.5		115	25-150				
Surrogate: M2-4:2 FTS	67.8		"	46.9		145	25-150				
Surrogate: d-N-MeFOSA	21.1		"	25.0		84.4	25-150				
Surrogate: d-N-EtFOSA	16.3		"	25.0		65.1	25-150				
Surrogate: M3HFPO-DA	120		"	100		120	25-150				
Surrogate: d9-N-EtFOSE	183		"	250		73.1	25-150				
Surrogate: d7-N-MeFOSE	220		"	250		88.0	25-150				

Matrix Spike (BK40095-MS1)

*Source sample: 24J1669-01 (Hanger E MW-1)

Prepared: 11/02/2024 Analyzed: 11/04/2024

Perfluorobutanesulfonic acid (PFBS)	338	17.7	ng/L	354	ND	95.6	25-150	High Bias
Perfluorohexanoic acid (PFHxA)	1490	20.0	"	400	1060	106	25-150	
Perfluoroheptanoic acid (PFHpA)	1230	20.0	"	400	616	154	25-150	
Perfluorohexanesulfonic acid (PFHxS)	381	18.3	"	366	ND	104	25-150	
Perfluorooctanoic acid (PFOA)	494	20.0	"	400	173	80.2	25-150	
Perfluorooctanesulfonic acid (PFOS)	419	18.6	"	372	14.2	109	25-150	
Perfluorononanoic acid (PFNA)	398	20.0	"	400	19.2	94.8	25-150	
Perfluorodecanoic acid (PFDA)	304	20.0	"	400	ND	76.0	25-150	
Perfluoroundecanoic acid (PFUnA)	414	20.0	"	400	ND	104	25-150	
Perfluorododecanoic acid (PFDoA)	366	20.0	"	400	ND	91.6	25-150	
Perfluorotridecanoic acid (PFTriDA)	561	20.0	"	400	ND	140	25-150	
Perfluorotetradecanoic acid (PFTA)	486	20.0	"	400	ND	122	25-150	
N-MeFOSAA	404	20.0	"	400	ND	101	25-150	
N-EtFOSAA	412	20.0	"	400	ND	103	25-150	
Perfluoropentanoic acid (PFPeA)	4880	40.0	"	800	3900	123	25-150	
Perfluoro-1-octanesulfonamide (FOSA)	344	20.0	"	400	ND	86.0	25-150	
Perfluoro-1-heptanesulfonic acid (PFHpS)	430	19.1	"	382	ND	113	25-150	
Perfluoro-1-decanesulfonic acid (PFDS)	316	19.3	"	386	ND	81.9	25-150	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1790	76.0	"	1520	347	95.1	25-150	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1460	76.8	"	1540	ND	94.8	25-150	
Perfluoro-n-butanoic acid (PFBA)	2150	80.0	"	1600	519	102	25-150	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	852	35.6	"	712	ND	120	25-150	
Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	955	40.0	"	800	ND	119	25-150	
Perfluoro-4-oxapentanoic acid (PFMPA)	425	40.0	"	800	ND	53.1	25-150	
Perfluoro-5-oxahexanoic acid (PFMBA)	933	40.0	"	800	ND	117	25-150	
Perfluoro-1-pentanesulfonate (PFPeS)	391	18.8	"	376	ND	104	25-150	





PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40095 - EPA 1633 Prep

Matrix Spike (BK40095-MS1)	*Source sample: 24J1669-01 (Hanger E MW-1)						Prepared: 11/02/2024 Analyzed: 11/04/2024				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1350	75.0	ng/L	1500	ND	90.2	25-150				
HFPO-DA (Gen-X)	787	80.0	"	800	ND	98.4	25-150				
11CL-PF3OUdS	523	75.6	"	756	ND	69.2	25-150				
9CL-PF3ONS	793	74.8	"	748	ND	106	25-150				
ADONA	839	75.6	"	756	ND	111	25-150				
Perfluorododecanesulfonic acid (PFDoS)	145	19.4	"	388	ND	37.3	25-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	410	19.2	"	384	ND	107	25-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1420	50.0	"	1600	ND	88.5	25-150				
3-Perfluoropentyl propanoic acid (FPePA)	8640	250	"	8000	ND	108	25-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	9720	250	"	8000	ND	121	25-150				
N-MeFOSE	4110	200	"	4000	ND	103	25-150				
N-MeFOSA	394	20.0	"	400	ND	98.4	25-150				
N-EtFOSE	4890	200	"	4000	ND	122	25-150				
N-EtFOSA	360	20.0	"	400	ND	89.9	25-150				
Surrogate: M3PFBS	291		"	233		125	25-150				
Surrogate: M5PFHxA	339		"	250		136	25-150				
Surrogate: M4PFHpA	253		"	250		101	25-150				
Surrogate: M3PFHxS	311		"	237		131	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	398		"	250		159	25-150				
Surrogate: M6PFDA	175		"	125		140	25-150				
Surrogate: M7PFUdA	119		"	125		95.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	90.1		"	125		72.1	25-150				
Surrogate: M2PFTeDA	33.8		"	125		27.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	165		"	1000		16.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	291		"	240		122	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	590		"	500		118	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	318		"	250		127	10-150				
Surrogate: d3-N-MeFOSAA	548		"	500		110	25-150				
Surrogate: d5-N-EtFOSAA	540		"	500		108	25-150				
Surrogate: M2-6:2 FTS	569		"	476		120	25-200				
Surrogate: M2-8:2 FTS	614		"	480		128	25-200				
Surrogate: M9PFNA	156		"	125		125	25-150				
Surrogate: M2-4:2 FTS	695		"	469		148	25-150				
Surrogate: d-N-MeFOSA	176		"	250		70.4	25-150				
Surrogate: d-N-EtFOSA	102		"	250		41.0	25-150				
Surrogate: M3HFPO-DA	1300		"	1000		130	25-150				
Surrogate: d9-N-EtFOSE	834		"	2500		33.4	25-150				
Surrogate: d7-N-MeFOSE	1250		"	2500		50.0	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40095 - EPA 1633 Prep											
Matrix Spike Dup (BK40095-MSD1)		*Source sample: 24J1669-01 (Hanger E MW-1)					Prepared: 11/02/2024 Analyzed: 11/04/2024				
Perfluorobutanesulfonic acid (PFBS)	353	17.7	ng/L	354	ND	99.7	25-150		4.23	35	
Perfluorohexanoic acid (PFHxA)	1460	20.0	"	400	1060	99.0	25-150		2.02	35	
Perfluoroheptanoic acid (PFHpA)	1130	20.0	"	400	616	129	25-150		8.14	35	
Perfluorohexanesulfonic acid (PFHxS)	420	18.3	"	366	ND	115	25-150		9.86	35	
Perfluorooctanoic acid (PFOA)	492	20.0	"	400	173	79.8	25-150		0.325	35	
Perfluorooctanesulfonic acid (PFOS)	394	18.6	"	372	14.2	102	25-150		6.24	35	
Perfluorononanoic acid (PFNA)	436	20.0	"	400	19.2	104	25-150		9.02	35	
Perfluorodecanoic acid (PFDA)	301	20.0	"	400	ND	75.3	25-150		0.939	35	
Perfluoroundecanoic acid (PFUnA)	412	20.0	"	400	ND	103	25-150		0.592	35	
Perfluorododecanoic acid (PFDoA)	362	20.0	"	400	ND	90.4	25-150		1.28	35	
Perfluorotridecanoic acid (PFTriDA)	507	20.0	"	400	ND	127	25-150		10.0	35	
Perfluorotetradecanoic acid (PFTA)	338	20.0	"	400	ND	84.6	25-150		35.9	35	Non-dir.
N-MeFOSAA	421	20.0	"	400	ND	105	25-150		4.06	35	
N-EtFOSAA	390	20.0	"	400	ND	97.5	25-150		5.48	35	
Perfluoropentanoic acid (PFPeA)	4730	40.0	"	800	3900	104	25-150		3.19	35	
Perfluoro-1-octanesulfonamide (FOSA)	332	20.0	"	400	ND	83.0	25-150		3.49	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	385	19.1	"	382	ND	101	25-150		11.0	35	
Perfluoro-1-decanesulfonic acid (PFDS)	255	19.3	"	386	ND	66.0	25-150		21.5	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1650	76.0	"	1520	347	86.0	25-150		8.00	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1650	76.8	"	1540	ND	107	25-150		12.3	35	
Perfluoro-n-butanoic acid (PFBA)	2190	80.0	"	1600	519	104	25-150		1.54	35	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	818	35.6	"	712	ND	115	25-150		4.18	30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	876	40.0	"	800	ND	110	25-150		8.60	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	687	40.0	"	800	ND	85.8	25-150		47.0	30	Non-dir.
Perfluoro-5-oxahexanoic acid (PFMBA)	857	40.0	"	800	ND	107	25-150		8.52	30	
Perfluoro-1-pentanesulfonate (PFPeS)	418	18.8	"	376	ND	111	25-150		6.58	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1360	75.0	"	1500	ND	90.9	25-150		0.824	30	
HFPO-DA (Gen-X)	699	80.0	"	800	ND	87.4	25-150		11.8	30	
11CL-PF3OUdS	455	75.6	"	756	ND	60.2	25-150		14.0	30	
9CL-PF3ONS	740	74.8	"	748	ND	98.9	25-150		6.99	30	
ADONA	803	75.6	"	756	ND	106	25-150		4.40	30	
Perfluorododecanesulfonic acid (PFDoS)	104	19.4	"	388	ND	26.9	25-150		32.3	30	Non-dir.
Perfluoro-1-nonanesulfonic acid (PFNS)	352	19.2	"	384	ND	91.8	25-150		15.2	30	
3-Perfluoropropyl propanoic acid (FPrPA)	1520	50.0	"	1600	ND	95.2	25-150		7.36	30	
3-Perfluoropentyl propanoic acid (FPePA)	8330	250	"	8000	ND	104	25-150		3.57	30	
3-Perfluoroheptyl propanoic acid (FHpPA)	9380	250	"	8000	ND	117	25-150		3.52	30	
N-MeFOSE	3770	200	"	4000	ND	94.2	25-150		8.55	30	
N-MeFOSA	400	20.0	"	400	ND	100	25-150		1.60	30	
N-EtFOSE	4170	200	"	4000	ND	104	25-150		15.8	30	
N-EtFOSA	347	20.0	"	400	ND	86.8	25-150		3.53	30	
Surrogate: M3PFBS	301		"	233		129	25-150				
Surrogate: M5PFHxA	362		"	250		145	25-150				
Surrogate: M4PFHpA	282		"	250		113	25-150				
Surrogate: M3PFHxS	307		"	237		130	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	402		"	250		161	25-150				
Surrogate: M6PFDA	206		"	125		165	25-150				
Surrogate: M7PFUdA	158		"	125		126	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40095 - EPA 1633 Prep

Matrix Spike Dup (BK40095-MSD1)	*Source sample: 24J1669-01 (Hanger E MW-1)					Prepared: 11/02/2024 Analyzed: 11/04/2024					
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	93.0		ng/L	125		74.4	25-150				
Surrogate: M2PFTeDA	43.7		"	125		35.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	506		"	1000		50.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	320		"	240		134	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	674		"	500		135	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	326		"	250		131	10-150				
Surrogate: d3-N-MeFOSAA	557		"	500		111	25-150				
Surrogate: d5-N-EtFOSAA	571		"	500		114	25-150				
Surrogate: M2-6:2 FTS	629		"	476		132	25-200				
Surrogate: M2-8:2 FTS	623		"	480		130	25-200				
Surrogate: M9PFNA	160		"	125		128	25-150				
Surrogate: M2-4:2 FTS	706		"	469		150	25-150				
Surrogate: d-N-MeFOSA	175		"	250		69.8	25-150				
Surrogate: d-N-EtFOSA	108		"	250		43.3	25-150				
Surrogate: M3HFPO-DA	1430		"	1000		143	25-150				
Surrogate: d9-N-EtFOSE	822		"	2500		32.9	25-150				
Surrogate: d7-N-MeFOSE	1280		"	2500		51.2	25-150				



Gas Chromatography/Flame Ionization Detector - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41757 - Preparation for GC Analysis

Blank (BJ41757-BLK1)

Prepared & Analyzed: 10/26/2024

Ethylene Glycol	ND	10.0	mg/L								
Propylene Glycol	ND	10.0	"								
Surrogate: 1,4-Butanediol	ND		"				30-130				

Duplicate (BJ41757-DUP1)

*Source sample: 24J1669-01 (Hanger E MW-1)

Prepared & Analyzed: 10/26/2024

Ethylene Glycol	ND	10.0	mg/L		ND					25	
Propylene Glycol	ND	10.0	"		ND					25	
Surrogate: 1,4-Butanediol	ND		"				30-130				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24J1669-01	Hanger E MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1669-05	MW-7S	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1669-07	FMW-40	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1669-08	FMW-31	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1669-10	Field Duplicate	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1669-11	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1669-12	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-L	The LCS recovery for this PFAS compound was below control limits.
PF-CCV-H	The CCV recovery for this PFAS compound was above control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
A-01	Analysis at dilution had a concentration below the reporting limit. Reported original analysis without dillution as no vials remain for analysis.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

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YORK Project Number
2471669

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Report To: Company: WSP Address: 500 Summit Lake Dr Westfield, NJ 07093 Phone: 914 329 1372 Contact: John Benveniste E-mail: John.Benveniste@wsp.com		Invoice To: Company: Address: Phone: Contact: E-mail:		YOUR Project Name / Number Westchester County Airport PO Number 31402218-000		Samples Collected From NY ☒ CT ☐ PA ☐ NJ ☐ Analyses Requested		Turn-Around Time RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day RUSH - Five Day Standard (6-9 Day) PFAS Standard 7-10 Day	
Matrix Codes S - soil/solid/sludge GW - groundwater DW - drinking water SW - surface water WW - wastewater O - Oil Other				Preservative (please list number of containers)		Unpreserved HCl (hydrochloric acid) MeOH (methanol) HNO ₃ (nitric acid) H ₂ SO ₄ (sulfuric acid) NaOH (sodium hydroxide) Na ₂ S ₂ O ₃ (sodium thio) Trizma Ammonium Acetate Other:		Report Type (circle) QA Report Summary (Results Only) NY ASP B Package NJ Reduced NJ DKQP NJ Full CT RCP	
Sample Identification				Date	Time	Matrix	EDD Type (circle)		
Hanger E MW-1				10/24/24	10:10		EQUS (standard)		
Hanger E MW-1 Matrix spike					10:40		NYSDEC EQUIS		
Hanger E MW-1 Matrix spike Dup					10:40		NJDEP SRP Haz Site		
Hanger E MW-4					10:50		Standard Excel		
FMW-24					11:25		CMDP		
FMW-27					11:50		Other:		
MW-75					12:50		Regulatory Comparative		
FMW-35					13:30		Compared to the following		
FMW-40					13:50		Regulation(s): (please fill in)		
FMW-31					14:15				
MW-16					14:50				
Field Duplicate									
Field Blank					15:30	DE	Field Filtered		
Trip Blank						L	Lab Filtered		

Comments:		Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N	
 Date/Time: 10/24/24 17:45 Signature: John Benveniste Date/Time: 10/25/24 17:45		Custody Seals: Y ☒ N ☐ Containers Intact: Y ☒ N ☐ COC Labels Agree: Y ☒ N ☐ Preservation Confirmed: Y ☒ N ☐	
		COC Completed: Y ☒ N ☐ COC Received: Y ☒ N ☐ Appropriate Sample Volumes: Y ☒ N ☐ Appropriate Sample Containers: Y ☒ N ☐	
		Cooler Temperature Confirmed: Y ☒ N ☐ Samples Submitted within Holding Times: Y ☒ N ☐ Corrective Action Form Required: Y ☐ N ☒	
1. Samples Relinquished by / Company Date/Time: 10/24/24 16:00 Signature: John Benveniste		2. Samples Relinquished by / Company Date/Time: 10/25/24 9:32am Signature: John Benveniste	
3. Samples Relinquished by / Company Date/Time: 10/25/24 17:45 Signature: John Benveniste		3. Samples Received by / Company Date/Time: 10/25/24 17:45 Signature: John Benveniste	
4. Samples Relinquished by / Company Date/Time: 10/25/24 17:45 Signature: John Benveniste		4. Samples Received by / Company Date/Time: 10/25/24 17:45 Signature: John Benveniste	



Technical Report

prepared for:

WSP USA, Inc. (White Plains, NY)

500 Summit Lake Drive, Suite 450

Valhalla NY, 10595

Attention: John Benvegna

Report Date: 11/05/2024

Client Project ID: Westchester County Airport

York Project (SDG) No.: 24J1778

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/05/2024
Client Project ID: Westchester County Airport
York Project (SDG) No.: 24J1778

WSP USA, Inc. (White Plains, NY)
500 Summit Lake Drive, Suite 450
Valhalla NY, 10595
Attention: John Benvegna

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 28, 2024 and listed below. The project was identified as your project: **Westchester County Airport**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24J1778-01	MW-59D	Ground Water	10/25/2024	10/28/2024
24J1778-02	MW-58D	Ground Water	10/25/2024	10/28/2024
24J1778-03	MW-56D	Ground Water	10/25/2024	10/28/2024
24J1778-04	MW-54S	Ground Water	10/25/2024	10/28/2024
24J1778-05	MW-54D	Ground Water	10/25/2024	10/28/2024
24J1778-06	MW-55S	Ground Water	10/25/2024	10/28/2024
24J1778-07	MW-55D	Ground Water	10/25/2024	10/28/2024
24J1778-08	MW-56S	Ground Water	10/25/2024	10/28/2024
24J1778-09	Field Blank	Water	10/25/2024	10/28/2024
24J1778-10	Trip Blank	Water	10/25/2024	10/28/2024

General Notes for York Project (SDG) No.: 24J1778

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 11/05/2024





Sample Information

Client Sample ID: MW-59D

York Sample ID: 24J1778-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24J1778

Westchester County Airport

Ground Water

October 25, 2024 10:45 am

10/28/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO



Sample Information

Client Sample ID: MW-59D

York Sample ID: 24J1778-01

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 10:45 am

Date Received

10/28/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO



Sample Information

Client Sample ID: MW-59D

York Sample ID: 24J1778-01

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 10:45 am

Date Received

10/28/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
74-88-4	* Iodomethane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
91-20-3	Naphthalene	0.290		ug/L	0.212	2.00	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO



Sample Information

Client Sample ID: MW-59D

York Sample ID: 24J1778-01

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 10:45 am

Date Received

10/28/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
127-18-4	Tetrachloroethylene	5.22		ug/L	0.239	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	10/30/2024 08:00	10/30/2024 16:10	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.9 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	96.6 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.6 %	79-122								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-59D

York Sample ID: 24J1778-01

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 10:45 am

Date Received

10/28/2024

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.469	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.349	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.709	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.679	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
335-67-1	Perfluorooctanoic acid (PFOA)	1.36	J	ng/L	0.419	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.00		ng/L	0.818	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.519	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.749	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.13	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.878	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.739	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.689	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.788	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.65	J	ng/L	0.230	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.878	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.908	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.32	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.49	7.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.05	7.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.329	7.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.499	3.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:04	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.14	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:04	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.250	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:04	AM



Sample Information

Client Sample ID: MW-59D

York Sample ID: 24J1778-01

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 10:45 am

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.369	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:04	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.758	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.79	7.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.22	7.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.38	7.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.699	7.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
919005-14-4	ADONA	ND		ng/L	0.529	7.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.928	1.94	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:04	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.858	1.92	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:04	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.03	4.99	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:04	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.32	25.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:04	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.45	25.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:04	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.98	20.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:04	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.58	2.00	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:04	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.98	20.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:04	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.80	2.00	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:04	AM
Surrogate Recoveries		Result		Acceptance Range							
M3PFBS	Surrogate: M3PFBS	107 %		25-150							
13C5PFHXA	Surrogate: M5PFHxA	120 %		25-150							
13C4PFHPA	Surrogate: M4PFHpA	84.4 %		25-150							
13C3PFHXS	Surrogate: M3PFHxS	106 %		25-150							
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	115 %		25-150							
13C6PFDA	Surrogate: M6PFDA	164 %	PFSu-H	25-150							
13C7PFUNA	Surrogate: M7PFUdA	107 %		25-150							
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	75.8 %		25-150							
13C2PFTEDA	Surrogate: M2PFTeDA	41.1 %		10-150							



Sample Information

Client Sample ID: MW-59D

York Sample ID: 24J1778-01

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 10:45 am

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.1 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	150 %	PFSu-H		25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	136 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	130 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	132 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	129 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	294 %	PFSu-H		25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	220 %	PFSu-H		25-200						
13C9PFNA	Surrogate: M9PFNA	115 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	231 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	83.6 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	63.3 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	113 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	42.5 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	64.1 %			25-150						

Sample Information

Client Sample ID: MW-58D

York Sample ID: 24J1778-02

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 11:50 am

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	89.5		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	3400		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	2650	PF-CCV -H	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	380		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
335-67-1	Perfluorooctanoic acid (PFOA)	798		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM



Sample Information

Client Sample ID: MW-58D

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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	387		ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
375-95-1	Perfluorononanoic acid (PFNA)	215		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
335-76-2	Perfluorodecanoic acid (PFDA)	222		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	61.8		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	8690		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	10.9	J	ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	4200		ng/L	75.0	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	617		ng/L	20.5	76.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1500		ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:20	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:20	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:20	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:20	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	95.3		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM



Sample Information

Client Sample ID: MW-58D

York Sample ID: 24J1778-02

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 11:50 am

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:20	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:20	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPtPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:20	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:20	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:20	AM
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:20	AM
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:20	AM
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:20	AM
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:20	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	126 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	141 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	120 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	128 %	25-150
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	150 %	25-150
13C6PFDA	Surrogate: M6PFDA	154 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	114 %	25-150
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	85.9 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	52.5 %	10-150
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	36.0 %	25-150
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	141 %	25-150
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	132 %	25-150
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	135 %	10-150
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	130 %	25-150



Sample Information

Client Sample ID: MW-58D

York Sample ID: 24J1778-02

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 11:50 am

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	144 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	253 %	PFSu-H		25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	159 %			25-200						
13C9PFNA	Surrogate: M9PFNA	129 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	263 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	87.6 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	69.2 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	134 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	65.6 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	86.5 %			25-150						

Sample Information

Client Sample ID: MW-56D

York Sample ID: 24J1778-03

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 12:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.498	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	0.969	J	ng/L	0.371	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.07	J	ng/L	0.752	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.42		ng/L	0.720	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
335-67-1	Perfluorooctanoic acid (PFOA)	1.87	J	ng/L	0.445	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.93	J	ng/L	0.869	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
375-95-1	Perfluorononanoic acid (PFNA)	1.22	J	ng/L	0.551	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.794	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.20	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.932	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM



Sample Information

Client Sample ID: MW-56D

York Sample ID: 24J1778-03

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 12:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.784	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.731	2.12	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.837	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.09	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.68	J	ng/L	0.244	4.24	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.932	2.12	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.964	2.02	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.40	2.04	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.94	8.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.17	8.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.350	8.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.530	3.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:36	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.27	4.24	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:36	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.265	4.24	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:36	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.392	4.24	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:36	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.805	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.90	7.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.42	8.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.46	8.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.742	7.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
919005-14-4	ADONA	ND		ng/L	0.561	8.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.985	2.06	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:36	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.911	2.03	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:36	AM



Sample Information

Client Sample ID: MW-56D

York Sample ID: 24J1778-03

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 12:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.15	5.30	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:36	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.76	26.5	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:36	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.0	26.5	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:36	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.23	21.2	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:36	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.67	2.12	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:36	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.23	21.2	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:36	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.91	2.12	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:36	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	117 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	144 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	107 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	118 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	139 %	25-150
13C6PFDA	Surrogate: M6PFDA	126 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	107 %	25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	66.3 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	42.0 %	10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	39.5 %	25-150
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	123 %	25-150
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	132 %	25-150
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	116 %	10-150
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	119 %	25-150
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	119 %	25-150
M2-6:2FTS	Surrogate: M2-6:2 FTS	106 %	25-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	121 %	25-200
13C9PFNA	Surrogate: M9PFNA	114 %	25-150
M2-4:2FTS	Surrogate: M2-4:2 FTS	134 %	25-150
936109-37-4	Surrogate: d-N-MeFOSA	79.7 %	25-150
936109-40-9	Surrogate: d-N-EtFOSA	54.8 %	25-150
M3HFPO-DA	Surrogate: M3HFPO-DA	122 %	25-150



Sample Information

Client Sample ID: MW-56D

York Sample ID: 24J1778-03

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 12:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	45.8 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	67.1 %			25-150						

Sample Information

Client Sample ID: MW-54S

York Sample ID: 24J1778-04

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 1:20 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	5.46		ng/L	0.529	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	46.9		ng/L	0.394	2.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	31.5	PF-CCV -H	ng/L	0.800	2.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	53.6		ng/L	0.766	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
335-67-1	Perfluorooctanoic acid (PFOA)	7.37		ng/L	0.473	2.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	25.3		ng/L	0.923	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
375-95-1	Perfluorononanoic acid (PFNA)	2.02	J	ng/L	0.586	2.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.845	2.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.27	2.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.991	2.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.833	2.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.777	2.25	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.890	2.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.16	2.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM



Sample Information

Client Sample ID: MW-54S

York Sample ID: 24J1778-04

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 1:20 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2706-90-3	Perfluoropentanoic acid (PFPeA)	105		ng/L	0.259	4.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.991	2.25	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	1.53	J	ng/L	1.02	2.15	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.49	2.17	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfon ic acid (6:2 FTS)	11.7		ng/L	8.45	8.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.31	8.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	35.5		ng/L	0.372	9.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.563	4.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:52	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.41	4.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:52	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.282	4.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:52	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.417	4.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 00:52	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	9.39		ng/L	0.856	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.02	8.45	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.64	9.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.55	8.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.788	8.42	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
919005-14-4	ADONA	ND		ng/L	0.597	8.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.05	2.18	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.968	2.16	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 00:52	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.29	5.63	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:52	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	8.25	28.2	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:52	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.7	28.2	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:52	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.49	22.5	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:52	AM



Sample Information

Client Sample ID: MW-54S

York Sample ID: 24J1778-04

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 1:20 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ng/L	1.78	2.25	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:52	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.49	22.5	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:52	AM
4151-50-2	* N-EtFOSA	ND		ng/L	2.03	2.25	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 00:52	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	125 %			25-150						
13C5PFHXA	Surrogate: M5PFHxA	137 %			25-150						
13C4PFHPA	Surrogate: M4PFH _p A	110 %			25-150						
13C3PFHXS	Surrogate: M3PFH _x S	132 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	127 %			25-150						
13C6PFDA	Surrogate: M6PFDA	158 %	PFSu-H		25-150						
13C7PFUNA	Surrogate: M7PFU _d A	89.8 %			25-150						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	56.9 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	22.5 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	136 %			25-150						
13C8PFOS	Surrogate: Perfluoro-I- [13C8]octanesulfonic acid (M8PFOS)	126 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	134 %			25-150						
13C8FOSA	Surrogate: Perfluoro-I- [13C8]octanesulfonamide (M8FOSA)	105 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	106 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	95.7 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	124 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	115 %			25-200						
13C9PFNA	Surrogate: M9PFNA	120 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	143 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	35.5 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	26.8 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	132 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	29.9 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	42.0 %			25-150						



Sample Information

Client Sample ID: MW-54D

York Sample ID: 24J1778-05

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 1:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	35.1		ng/L	2.35	8.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	417		ng/L	1.75	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	277	PF-CCV -H	ng/L	3.55	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	453		ng/L	3.40	9.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
335-67-1	Perfluorooctanoic acid (PFOA)	73.0		ng/L	2.10	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	317		ng/L	4.10	9.30	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
375-95-1	Perfluorononanoic acid (PFNA)	29.7		ng/L	2.60	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	3.75	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	5.65	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	4.40	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	3.70	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	3.45	10.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
2355-31-9	N-MeFOSAA	ND		ng/L	3.95	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.15	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	817		ng/L	1.15	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	4.40	10.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	12.5		ng/L	4.55	9.55	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	6.60	9.65	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfon ic acid (6:2 FTS)	592		ng/L	37.5	38.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	10.2	38.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	178		ng/L	1.65	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	2.50	17.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:08	AM



Sample Information

Client Sample ID: MW-54D

York Sample ID: 24J1778-05

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 1:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	10.7	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:08	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	1.25	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:08	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.85	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:08	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	74.4		ng/L	3.80	9.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	8.95	37.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	16.2	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	6.90	37.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	3.50	37.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
919005-14-4	ADONA	ND		ng/L	2.65	37.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	4.65	9.70	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:08	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	4.30	9.60	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:08	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	10.2	25.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:08	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	36.6	125	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:08	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	47.4	125	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:08	AM
24448-09-7	* N-MeFOSE	ND		ng/L	20.0	100	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:08	AM
31506-32-8	* N-MeFOSA	ND		ng/L	7.90	10.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:08	AM
1691-99-2	* N-EtFOSE	ND		ng/L	20.0	100	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:08	AM
4151-50-2	* N-EtFOSA	ND		ng/L	9.00	10.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:08	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	134 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	141 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	110 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	137 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	152 %	PFSu-H	25-150							
13C6PFDA	Surrogate: M6PFDA	164 %	PFSu-H	25-150							
13C7PFUNA	Surrogate: M7PFUdA	130 %	25-150								



Sample Information

Client Sample ID: MW-54D

York Sample ID: 24J1778-05

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 1:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	90.2 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	52.7 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	16.0 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	127 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	123 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	139 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	125 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	137 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	129 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	123 %			25-200						
13C9PFNA	Surrogate: M9PFNA	155 %	PFSu-H		25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	176 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	92.5 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	66.7 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	139 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	54.7 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	83.0 %			25-150						

Sample Information

Client Sample ID: MW-55S

York Sample ID: 24J1778-06

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 2:15 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	28.9		ng/L	2.35	8.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	74.4		ng/L	1.75	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	17.0	PF-CCV -H	ng/L	3.55	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	728		ng/L	3.40	9.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM



Sample Information

Client Sample ID: MW-55S

York Sample ID: 24J1778-06

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 2:15 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	35.4		ng/L	2.10	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1230		ng/L	4.10	9.30	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
375-95-1	Perfluorononanoic acid (PFNA)	22.8		ng/L	2.60	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	3.75	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	5.65	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	4.40	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	3.70	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	3.45	10.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
2355-31-9	N-MeFOSAA	ND		ng/L	3.95	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.15	10.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	35.1		ng/L	1.15	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	4.40	10.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	14.9		ng/L	4.55	9.55	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	6.60	9.65	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	37.5	38.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	10.2	38.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.65	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	2.50	17.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:24	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	10.7	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:24	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	1.25	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:24	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.85	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:24	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	76.3		ng/L	3.80	9.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	8.95	37.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM



Sample Information

Client Sample ID: MW-55S

York Sample ID: 24J1778-06

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 2:15 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	16.2	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	6.90	37.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	3.50	37.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
919005-14-4	ADONA	ND		ng/L	2.65	37.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	4.65	9.70	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:24	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	4.30	9.60	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:24	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	10.2	25.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:24	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	36.6	125	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:24	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	47.4	125	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:24	AM
24448-09-7	* N-MeFOSE	ND		ng/L	20.0	100	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:24	AM
31506-32-8	* N-MeFOSA	ND		ng/L	7.90	10.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:24	AM
1691-99-2	* N-EtFOSE	ND		ng/L	20.0	100	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:24	AM
4151-50-2	* N-EtFOSA	ND		ng/L	9.00	10.0	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:24	AM

Surrogate Recoveries		Result	Acceptance Range	
M3PFBS	Surrogate: M3PFBS	163 %	PFSu-H	25-150
13C5PFHXA	Surrogate: M5PFHxA	181 %	PFSu-H	25-150
13C4PFHPA	Surrogate: M4PFHpA	143 %		25-150
13C3PFHXS	Surrogate: M3PFHxS	159 %	PFSu-H	25-150
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	165 %	PFSu-H	25-150
13C6PFDA	Surrogate: M6PFDA	183 %	PFSu-H	25-150
13C7PFUNA	Surrogate: M7PFUdA	135 %		25-150
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	71.7 %		25-150
13C2PFTEDA	Surrogate: M2PFTeDA	35.6 %		10-150
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	36.3 %		25-150
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	175 %	PFSu-H	25-150
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	178 %	PFSu-H	25-150



Sample Information

Client Sample ID: MW-55S

York Sample ID: 24J1778-06

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 2:15 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	172 %		PFSu-H	10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	142 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	141 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	140 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	145 %			25-200						
13C9PFNA	Surrogate: M9PFNA	162 %		PFSu-H	25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	189 %		PFSu-H	25-150						
936109-37-4	Surrogate: d-N-MeFOSA	101 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	67.6 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	178 %		PFSu-H	25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	36.6 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	50.6 %			25-150						

Sample Information

Client Sample ID: MW-55D

York Sample ID: 24J1778-07

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 2:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	23.1		ng/L	0.495	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	53.7		ng/L	0.368	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	11.0		PF-CCV ng/L -H	0.747	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	543		ng/L	0.716	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
335-67-1	Perfluorooctanoic acid (PFOA)	14.5		ng/L	0.442	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	585		ng/L	1.73	3.92	2	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 14:51	AM
375-95-1	Perfluorononanoic acid (PFNA)	18.9		ng/L	0.547	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.789	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM



Sample Information

Client Sample ID: MW-55D

York Sample ID: 24J1778-07

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 2:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.19	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.926	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.779	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.726	2.11	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.832	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.08	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	20.1		ng/L	0.242	4.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.926	2.11	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	11.9		ng/L	0.958	2.01	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.39	2.03	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.89	8.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.16	8.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	9.38		ng/L	0.347	8.42	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.526	3.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:40	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.25	4.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:40	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.263	4.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:40	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.389	4.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:40	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	66.1		ng/L	0.800	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.88	7.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.40	8.42	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.45	7.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.737	7.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
919005-14-4	ADONA	ND		ng/L	0.558	7.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM



Sample Information

Client Sample ID: MW-55D

York Sample ID: 24J1778-07

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 2:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.979	2.04	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:40	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.905	2.02	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:40	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.14	5.26	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:40	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.72	26.3	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:40	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.97	26.3	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:40	AM
24448-09-7	* N-MeFOSE	ND		ng/L	4.20	21.1	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:40	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.66	2.11	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:40	AM
1691-99-2	* N-EtFOSE	ND		ng/L	4.20	21.1	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:40	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.89	2.11	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:40	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	119 %	25-150
M3PFBS	Surrogate: M3PFBS	129 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	119 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	138 %	25-150
13C4PFHFA	Surrogate: M4PFHFA	93.1 %	25-150
13C4PFHFA	Surrogate: M4PFHFA	111 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	118 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	117 %	25-150
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	123 %	25-150
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	140 %	25-150
13C6PFDA	Surrogate: M6PFDA	141 %	25-150
13C6PFDA	Surrogate: M6PFDA	131 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	92.4 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	87.3 %	25-150
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	40.8 %	25-150
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	65.3 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	36.0 %	10-150
13C2PFTEDA	Surrogate: M2PFTeDA	29.3 %	10-150
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	82.6 %	25-150



Sample Information

Client Sample ID: MW-55D

York Sample ID: 24J1778-07

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 2:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	75.3 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	130 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	125 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	144 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	118 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	124 %			10-150						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	135 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	92.8 %			25-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	112 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	98.1 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	121 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	121 %			25-200						
M2-6:2FTS	Surrogate: M2-6:2 FTS	114 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	104 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	115 %			25-200						
13C9PFNA	Surrogate: M9PFNA	111 %			25-150						
13C9PFNA	Surrogate: M9PFNA	113 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	138 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	149 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	59.6 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	60.0 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	34.8 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	32.5 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	128 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	153 %		PFSu-H	25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	24.0 %		PFSu-L	25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	33.7 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	44.6 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	55.3 %			25-150						



Sample Information

Client Sample ID: MW-56S

York Sample ID: 24J1778-08

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 3:30 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	19.4		ng/L	0.456	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	64.4		ng/L	0.340	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	48.3	PF-CCV -H	ng/L	0.689	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	179		ng/L	0.660	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
335-67-1	Perfluorooctanoic acid (PFOA)	255		ng/L	0.408	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	224		ng/L	0.796	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
375-95-1	Perfluorononanoic acid (PFNA)	113		ng/L	0.505	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
335-76-2	Perfluorodecanoic acid (PFDA)	0.838	J	ng/L	0.728	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.70	J	ng/L	1.10	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.854	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.718	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.670	1.94	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.767	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.00	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	93.3		ng/L	0.223	3.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.854	1.94	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	7.93		ng/L	0.883	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.28	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfon ic acid (6:2 FTS)	13.2		ng/L	7.28	7.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.99	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	35.7		ng/L	0.320	7.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.485	3.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:57	AM



Sample Information

Client Sample ID: MW-56S

York Sample ID: 24J1778-08

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 3:30 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.08	3.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:57	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.243	3.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:57	AM
863090-89-5	Perfluoro-5-oxaheptanoic acid (PFMBA)	ND		ng/L	0.359	3.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/02/2024 14:50	11/05/2024 01:57	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	28.8		ng/L	0.738	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.74	7.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.14	7.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.34	7.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.680	7.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
919005-14-4	ADONA	ND		ng/L	0.515	7.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.903	1.88	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:57	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.835	1.86	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/02/2024 14:50	11/05/2024 01:57	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.97	4.85	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:57	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.12	24.3	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:57	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.19	24.3	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:57	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.87	19.4	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:57	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.53	1.94	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:57	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.87	19.4	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:57	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.75	1.94	1	EPA 1633 Draft 3 Certifications:	11/02/2024 14:50	11/05/2024 01:57	AM
Surrogate Recoveries		Result		Acceptance Range							
M3PFBS	Surrogate: M3PFBS	119 %				25-150					
13C5PFHXA	Surrogate: M5PFHxA	136 %				25-150					
13C4PFHPA	Surrogate: M4PFHpA	109 %				25-150					
13C3PFHXS	Surrogate: M3PFHxS	125 %				25-150					
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	139 %				25-150					
13C6PFDA	Surrogate: M6PFDA	153 %	PFSu-H			25-150					
13C7PFUNA	Surrogate: M7PFUDa	113 %				25-150					



Sample Information

Client Sample ID: MW-56S

York Sample ID: 24J1778-08

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Ground Water

Collection Date/Time

October 25, 2024 3:30 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	56.8 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	19.4 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	120 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	146 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	154 %	PFSu-H		25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	128 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	125 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	121 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	183 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	137 %			25-200						
13C9PFNA	Surrogate: M9PFNA	126 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	234 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	51.1 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	31.1 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	131 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	31.5 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	50.4 %			25-150						

Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1778-09

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 25, 2024 3:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.434	1.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.323	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.655	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.627	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1778-09

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 25, 2024 3:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.387	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.756	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.480	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.692	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.04	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.812	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.683	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.637	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.729	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.950	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.212	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.812	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.839	1.76	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.22	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.92	7.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	7.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.304	7.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.461	3.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/03/2024 13:50	11/05/2024 11:05	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.97	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/03/2024 13:50	11/05/2024 11:05	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.231	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/03/2024 13:50	11/05/2024 11:05	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.341	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/03/2024 13:50	11/05/2024 11:05	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.701	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.65	6.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1778-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24J1778	Westchester County Airport	Water	October 25, 2024 3:45 pm	10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.98	7.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.27	6.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.646	6.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
919005-14-4	ADONA	ND		ng/L	0.489	6.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-LCS -L	ng/L	0.858	1.79	1	EPA 1633 Draft 3 Certifications:	11/03/2024 13:50	11/05/2024 11:05	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.793	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/03/2024 13:50	11/05/2024 11:05	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.87	4.61	1	EPA 1633 Draft 3 Certifications:	11/03/2024 13:50	11/05/2024 11:05	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.76	23.1	1	EPA 1633 Draft 3 Certifications:	11/03/2024 13:50	11/05/2024 11:05	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.74	23.1	1	EPA 1633 Draft 3 Certifications:	11/03/2024 13:50	11/05/2024 11:05	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.68	18.5	1	EPA 1633 Draft 3 Certifications:	11/03/2024 13:50	11/05/2024 11:05	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.46	1.85	1	EPA 1633 Draft 3 Certifications:	11/03/2024 13:50	11/05/2024 11:05	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.68	18.5	1	EPA 1633 Draft 3 Certifications:	11/03/2024 13:50	11/05/2024 11:05	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.66	1.85	1	EPA 1633 Draft 3 Certifications:	11/03/2024 13:50	11/05/2024 11:05	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	97.5 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	107 %	25-150
13C4PFHFA	Surrogate: M4PFHFA	77.4 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	105 %	25-150
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	109 %	25-150
13C6PFDA	Surrogate: M6PFDA	110 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	83.1 %	25-150
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	65.2 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	44.9 %	10-150
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	7.40 %	25-150
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	113 %	25-150
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	60.0 %	25-150



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24J1778-09

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 25, 2024 3:45 pm

Date Received

10/28/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	105 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	91.1 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	93.2 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	87.3 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	89.8 %			25-200						
13C9PFNA	Surrogate: M9PFNA	90.5 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	124 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	77.6 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	57.7 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	96.6 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	48.5 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	60.1 %			25-150						

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1778-10

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 25, 2024 3:45 pm

Date Received

10/28/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.16	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 08:00	10/29/2024 11:47	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.66	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 08:00	10/29/2024 11:47	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.56	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 08:00	10/29/2024 11:47	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.86	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 08:00	10/29/2024 11:47	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.49	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 08:00	10/29/2024 11:47	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	2.72	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 08:00	10/29/2024 11:47	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	3.27	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 08:00	10/29/2024 11:47	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	3.14	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/29/2024 08:00	10/29/2024 11:47	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1778-10

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 25, 2024 3:45 pm

Date Received

10/28/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.22	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.73	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	2.55	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.38	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	3.10	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	4.32	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	2.15	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	3.77	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	3.27	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	3.47	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.83	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	2.60	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.11	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
123-91-1	1,4-Dioxane	ND	CCVE, ICVE	ug/L	353	800	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	4.66	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
78-93-3	2-Butanone	ND		ug/L	4.21	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
95-49-8	2-Chlorotoluene	ND		ug/L	3.76	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
591-78-6	2-Hexanone	ND		ug/L	3.20	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
106-43-4	4-Chlorotoluene	ND		ug/L	3.11	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	3.65	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
67-64-1	Acetone	ND	CAL-E	ug/L	13.4	20.0	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
107-02-8	Acrolein	ND	CAL-E	ug/L	4.47	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1778-10

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 25, 2024 3:45 pm

Date Received

10/28/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-13-1	Acrylonitrile	ND		ug/L	4.22	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
71-43-2	Benzene	ND		ug/L	2.79	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
108-86-1	Bromobenzene	ND		ug/L	3.67	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/29/2024 11:47	FO
74-97-5	Bromochloromethane	ND		ug/L	3.54	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/29/2024 11:47	FO
75-27-4	Bromodichloromethane	3.20		ug/L	2.45	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
75-25-2	Bromoform	ND		ug/L	1.63	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
74-83-9	Bromomethane	ND	CCVE	ug/L	1.19	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
75-15-0	Carbon disulfide	ND		ug/L	3.62	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
56-23-5	Carbon tetrachloride	ND		ug/L	2.04	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
108-90-7	Chlorobenzene	ND		ug/L	2.84	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
75-00-3	Chloroethane	ND		ug/L	4.48	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
67-66-3	Chloroform	37.8		ug/L	2.43	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
74-87-3	Chloromethane	ND		ug/L	3.72	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.94	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.62	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
110-82-7	Cyclohexane	ND		ug/L	4.91	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/29/2024 11:47	FO
124-48-1	Dibromochloromethane	ND		ug/L	1.46	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
74-95-3	Dibromomethane	ND		ug/L	2.03	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/29/2024 11:47	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	4.51	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/29/2024 11:47	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	4.66	8.00	10	EPA 8260D Certifications:	10/29/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/29/2024 11:47	FO
100-41-4	Ethyl Benzene	ND		ug/L	2.90	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	4.79	8.00	10	EPA 8260D Certifications:	10/29/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	10/29/2024 11:47	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	2.41	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/29/2024 11:47	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1778-10

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 25, 2024 3:45 pm

Date Received

10/28/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	4.77	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
98-82-8	Isopropylbenzene	ND		ug/L	4.05	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
79-20-9	Methyl acetate	ND		ug/L	4.42	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
80-62-6	Methyl Methacrylate	ND		ug/L	4.15	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.44	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
108-87-2	Methylcyclohexane	ND		ug/L	4.77	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
75-09-2	Methylene chloride	ND		ug/L	3.97	20.0	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
91-20-3	Naphthalene	ND		ug/L	2.12	20.0	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
104-51-8	n-Butylbenzene	ND		ug/L	3.99	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
103-65-1	n-Propylbenzene	ND		ug/L	3.84	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
95-47-6	o-Xylene	ND		ug/L	2.61	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	5.78	10.0	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
105-05-5	* p-Diethylbenzene	ND		ug/L	3.41	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	2.00	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	3.77	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
135-98-8	sec-Butylbenzene	ND		ug/L	4.44	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
100-42-5	Styrene	ND		ug/L	2.55	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	41.6	80.0	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	5.11	8.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	6.08	10.0	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
98-06-6	tert-Butylbenzene	ND		ug/L	3.67	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	2.39	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	4.85	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00	10/29/2024 11:47	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24J1778-10

York Project (SDG) No.

24J1778

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 25, 2024 3:45 pm

Date Received

10/28/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	3.46	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.79	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.29	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.83	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
79-01-6	Trichloroethylene	ND		ug/L	2.49	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	3.37	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
108-05-4	Vinyl acetate	ND		ug/L	4.77	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	10/29/2024 11:47	FO
75-01-4	Vinyl Chloride	ND		ug/L	4.69	5.00	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
1330-20-7	Xylenes, Total	ND		ug/L	8.39	15.0	10	EPA 8260D Certifications:	10/29/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	10/29/2024 11:47	FO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	98.8 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	96.4 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	101 %	79-122								



Analytical Batch Summary

Batch ID: BJ41970 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24J1778-10	Trip Blank	10/29/24
BJ41970-BLK1	Blank	10/29/24
BJ41970-BS1	LCS	10/29/24
BJ41970-BSD1	LCS Dup	10/29/24

Batch ID: BJ42078 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24J1778-01	MW-59D	10/30/24
BJ42078-BLK1	Blank	10/30/24
BJ42078-BS1	LCS	10/30/24
BJ42078-BSD1	LCS Dup	10/30/24

Batch ID: BK40095 **Preparation Method:** EPA 1633 Prep **Prepared By:** MPR

YORK Sample ID	Client Sample ID	Preparation Date
24J1778-01	MW-59D	11/02/24
24J1778-02	MW-58D	11/02/24
24J1778-03	MW-56D	11/02/24
24J1778-04	MW-54S	11/02/24
24J1778-05	MW-54D	11/02/24
24J1778-06	MW-55S	11/02/24
24J1778-07	MW-55D	11/02/24
24J1778-07RE1	MW-55D	11/02/24
24J1778-08	MW-56S	11/02/24
BK40095-BLK1	Blank	11/02/24
BK40095-BS1	LCS	11/02/24
BK40095-BS2	LCS	11/02/24

Batch ID: BK40110 **Preparation Method:** EPA 1633 Prep **Prepared By:** MPR

YORK Sample ID	Client Sample ID	Preparation Date
24J1778-09	Field Blank	11/03/24
BK40110-BLK1	Blank	11/03/24
BK40110-BS1	LCS	11/03/24
BK40110-BS2	LCS	11/03/24



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41970 - EPA 5030B

Blank (BJ41970-BLK1)

Prepared & Analyzed: 10/29/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4,5-Tetramethylbenzene	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41970 - EPA 5030B

Blank (BJ41970-BLK1)

Prepared & Analyzed: 10/29/2024

Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	"								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	0.540	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.59		"	10.0		95.9	69-130				
Surrogate: SURR: Toluene-d8	9.76		"	10.0		97.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41970 - EPA 5030B											
LCS (BJ41970-BS1)						Prepared & Analyzed: 10/29/2024					
1,1,1,2-Tetrachloroethane	9.61		ug/L	10.0		96.1	82-126				
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136				
1,1,2,2-Tetrachloroethane	9.27		"	10.0		92.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165				
1,1,2-Trichloroethane	9.24		"	10.0		92.4	82-123				
1,1-Dichloroethane	9.79		"	10.0		97.9	82-129				
1,1-Dichloroethylene	10.7		"	10.0		107	68-138				
1,1-Dichloropropylene	10.8		"	10.0		108	83-133				
1,2,3-Trichlorobenzene	9.52		"	10.0		95.2	76-136				
1,2,3-Trichloropropane	8.92		"	10.0		89.2	77-128				
1,2,4,5-Tetramethylbenzene	9.66		"	10.0		96.6	85-140				
1,2,4-Trichlorobenzene	9.55		"	10.0		95.5	76-137				
1,2,4-Trimethylbenzene	9.81		"	10.0		98.1	82-132				
1,2-Dibromo-3-chloropropane	9.66		"	10.0		96.6	45-147				
1,2-Dibromoethane	9.43		"	10.0		94.3	83-124				
1,2-Dichlorobenzene	9.65		"	10.0		96.5	79-123				
1,2-Dichloroethane	9.74		"	10.0		97.4	73-132				
1,2-Dichloropropane	9.24		"	10.0		92.4	78-126				
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131				
1,3-Dichlorobenzene	9.72		"	10.0		97.2	86-122				
1,3-Dichloropropane	9.43		"	10.0		94.3	81-125				
1,4-Dichlorobenzene	9.66		"	10.0		96.6	85-124				
1,4-Dioxane	179		"	210		85.2	10-349				
2,2-Dichloropropane	10.6		"	10.0		106	56-150				
2-Butanone	9.40		"	10.0		94.0	49-152				
2-Chlorotoluene	9.71		"	10.0		97.1	79-130				
2-Hexanone	7.39		"	10.0		73.9	51-146				
4-Chlorotoluene	9.82		"	10.0		98.2	79-128				
4-Methyl-2-pentanone	8.28		"	10.0		82.8	57-145				
Acetone	16.8		"	10.0		168	14-150	High Bias			
Acrolein	10.8		"	10.0		108	10-153				
Acrylonitrile	9.80		"	10.0		98.0	51-150				
Benzene	10.6		"	10.0		106	85-126				
Bromobenzene	9.43		"	10.0		94.3	78-129				
Bromochloromethane	9.15		"	10.0		91.5	77-128				
Bromodichloromethane	9.51		"	10.0		95.1	79-128				
Bromoform	9.55		"	10.0		95.5	78-133				
Bromomethane	4.88		"	10.0		48.8	43-168				
Carbon disulfide	10.4		"	10.0		104	68-146				
Carbon tetrachloride	11.1		"	10.0		111	77-141				
Chlorobenzene	9.86		"	10.0		98.6	88-120				
Chloroethane	11.2		"	10.0		112	65-136				
Chloroform	10.2		"	10.0		102	82-128				
Chloromethane	8.65		"	10.0		86.5	43-155				
cis-1,2-Dichloroethylene	9.94		"	10.0		99.4	83-129				
cis-1,3-Dichloropropylene	9.07		"	10.0		90.7	80-131				
Cyclohexane	9.24		"	10.0		92.4	63-149				
Dibromochloromethane	9.63		"	10.0		96.3	80-130				
Dibromomethane	9.24		"	10.0		92.4	72-134				
Dichlorodifluoromethane	11.6		"	10.0		116	44-144				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41970 - EPA 5030B

LCS (BJ41970-BS1)

Prepared & Analyzed: 10/29/2024

Diisopropyl ether (DIPE)	9.38		ug/L	10.0		93.8	70-130				
Ethyl Benzene	10.3		"	10.0		103	80-131				
Ethyl tert-butyl ether (ETBE)	9.32		"	10.0		93.2	70-130				
Hexachlorobutadiene	10.2		"	10.0		102	67-146				
Iodomethane	2.55		"	10.0		25.5	70-130	Low Bias			
Isopropylbenzene	10.3		"	10.0		103	76-140				
Methyl acetate	7.47		"	10.0		74.7	51-139				
Methyl Methacrylate	8.89		"	10.0		88.9	72-132				
Methyl tert-butyl ether (MTBE)	9.13		"	10.0		91.3	76-135				
Methyleyclohexane	9.56		"	10.0		95.6	72-143				
Methylene chloride	10.2		"	10.0		102	55-137				
Naphthalene	9.44		"	10.0		94.4	70-147				
n-Butylbenzene	10.2		"	10.0		102	79-132				
n-Propylbenzene	10.1		"	10.0		101	78-133				
o-Xylene	10.0		"	10.0		100	78-130				
p- & m- Xylenes	17.7		"	20.0		88.5	77-133				
p-Diethylbenzene	9.99		"	10.0		99.9	84-134				
p-Ethyltoluene	10.2		"	10.0		102	88-129				
p-Isopropyltoluene	10.6		"	10.0		106	81-136				
sec-Butylbenzene	10.3		"	10.0		103	79-137				
Styrene	10.1		"	10.0		101	67-132				
tert-Amyl alcohol (TAA)	72.4		"	100		72.4	70-130				
tert-Amyl methyl ether (TAME)	9.50		"	10.0		95.0	70-130				
tert-Butyl alcohol (TBA)	36.6		"	50.0		73.2	25-162				
tert-Butylbenzene	10.3		"	10.0		103	77-138				
Tetrachloroethylene	6.26		"	10.0		62.6	82-131	Low Bias			
Tetrahydrofuran	9.39		"	10.0		93.9	36-166				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.07		"	10.0		90.7	78-131				
trans-1,4-dichloro-2-butene	9.44		"	10.0		94.4	63-141				
Trichloroethylene	9.81		"	10.0		98.1	82-128				
Trichlorofluoromethane	11.6		"	10.0		116	67-139				
Vinyl acetate	14.8		"	10.0		148	21-90	High Bias			
Vinyl Chloride	10.8		"	10.0		108	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.62		"	10.0		96.2	69-130				
Surrogate: SURR: Toluene-d8	9.84		"	10.0		98.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.80		"	10.0		98.0	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BJ41970 - EPA 5030B											
LCS Dup (BJ41970-BSD1)						Prepared & Analyzed: 10/29/2024					
1,1,1,2-Tetrachloroethane	9.97		ug/L	10.0		99.7	82-126		3.68	30	
1,1,1-Trichloroethane	10.1		"	10.0		101	78-136		3.21	30	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129		10.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165		2.72	30	
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123		8.50	30	
1,1-Dichloroethane	9.71		"	10.0		97.1	82-129		0.821	30	
1,1-Dichloroethylene	10.5		"	10.0		105	68-138		1.70	30	
1,1-Dichloropropylene	10.3		"	10.0		103	83-133		3.98	30	
1,2,3-Trichlorobenzene	10.1		"	10.0		101	76-136		5.81	30	
1,2,3-Trichloropropane	9.82		"	10.0		98.2	77-128		9.61	30	
1,2,4,5-Tetramethylbenzene	9.69		"	10.0		96.9	85-140		0.310	30	
1,2,4-Trichlorobenzene	9.98		"	10.0		99.8	76-137		4.40	30	
1,2,4-Trimethylbenzene	9.96		"	10.0		99.6	82-132		1.52	30	
1,2-Dibromo-3-chloropropane	5.74		"	10.0		57.4	45-147		50.9	30	Non-dir.
1,2-Dibromoethane	10.1		"	10.0		101	83-124		7.26	30	
1,2-Dichlorobenzene	9.91		"	10.0		99.1	79-123		2.66	30	
1,2-Dichloroethane	10.4		"	10.0		104	73-132		6.84	30	
1,2-Dichloropropane	9.43		"	10.0		94.3	78-126		2.04	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131		1.76	30	
1,3-Dichlorobenzene	9.75		"	10.0		97.5	86-122		0.308	30	
1,3-Dichloropropane	9.86		"	10.0		98.6	81-125		4.46	30	
1,4-Dichlorobenzene	9.72		"	10.0		97.2	85-124		0.619	30	
1,4-Dioxane	332		"	210		158	10-349		59.8	30	Non-dir.
2,2-Dichloropropane	10.2		"	10.0		102	56-150		3.56	30	
2-Butanone	9.11		"	10.0		91.1	49-152		3.13	30	
2-Chlorotoluene	9.57		"	10.0		95.7	79-130		1.45	30	
2-Hexanone	8.52		"	10.0		85.2	51-146		14.2	30	
4-Chlorotoluene	9.79		"	10.0		97.9	79-128		0.306	30	
4-Methyl-2-pentanone	9.49		"	10.0		94.9	57-145		13.6	30	
Acetone	20.2		"	10.0		202	14-150	High Bias	17.8	30	
Acrolein	12.5		"	10.0		125	10-153		14.5	30	
Acrylonitrile	10.8		"	10.0		108	51-150		9.80	30	
Benzene	10.5		"	10.0		105	85-126		0.665	30	
Bromobenzene	9.55		"	10.0		95.5	78-129		1.26	30	
Bromochloromethane	9.53		"	10.0		95.3	77-128		4.07	30	
Bromodichloromethane	9.71		"	10.0		97.1	79-128		2.08	30	
Bromoform	9.94		"	10.0		99.4	78-133		4.00	30	
Bromomethane	5.26		"	10.0		52.6	43-168		7.50	30	
Carbon disulfide	10.1		"	10.0		101	68-146		2.73	30	
Carbon tetrachloride	10.6		"	10.0		106	77-141		5.17	30	
Chlorobenzene	9.85		"	10.0		98.5	88-120		0.101	30	
Chloroethane	11.3		"	10.0		113	65-136		0.976	30	
Chloroform	10.1		"	10.0		101	82-128		0.689	30	
Chloromethane	8.32		"	10.0		83.2	43-155		3.89	30	
cis-1,2-Dichloroethylene	9.78		"	10.0		97.8	83-129		1.62	30	
cis-1,3-Dichloropropylene	9.37		"	10.0		93.7	80-131		3.25	30	
Cyclohexane	8.68		"	10.0		86.8	63-149		6.25	30	
Dibromochloromethane	9.92		"	10.0		99.2	80-130		2.97	30	
Dibromomethane	9.76		"	10.0		97.6	72-134		5.47	30	
Dichlorodifluoromethane	11.5		"	10.0		115	44-144		0.866	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ41970 - EPA 5030B

LCS Dup (BJ41970-BSD1)

Prepared & Analyzed: 10/29/2024

Diisopropyl ether (DIPE)	9.65		ug/L	10.0		96.5	70-130		2.84	30
Ethyl Benzene	10.2		"	10.0		102	80-131		1.17	30
Ethyl tert-butyl ether (ETBE)	10.0		"	10.0		100	70-130		7.44	30
Hexachlorobutadiene	9.83		"	10.0		98.3	67-146		3.79	30
Iodomethane	2.39		"	10.0		23.9	70-130	Low Bias	6.48	30
Isopropylbenzene	9.99		"	10.0		99.9	76-140		2.96	30
Methyl acetate	9.08		"	10.0		90.8	51-139		19.5	30
Methyl Methacrylate	10.3		"	10.0		103	72-132		14.4	30
Methyl tert-butyl ether (MTBE)	9.77		"	10.0		97.7	76-135		6.77	30
Methyleyclohexane	9.01		"	10.0		90.1	72-143		5.92	30
Methylene chloride	10.2		"	10.0		102	55-137		0.588	30
Naphthalene	10.6		"	10.0		106	70-147		12.0	30
n-Butylbenzene	9.87		"	10.0		98.7	79-132		2.99	30
n-Propylbenzene	9.87		"	10.0		98.7	78-133		2.70	30
o-Xylene	9.89		"	10.0		98.9	78-130		1.11	30
p- & m- Xylenes	17.5		"	20.0		87.4	77-133		1.19	30
p-Diethylbenzene	9.79		"	10.0		97.9	84-134		2.02	30
p-Ethyltoluene	10.0		"	10.0		100	88-129		1.68	30
p-Isopropyltoluene	10.2		"	10.0		102	81-136		3.27	30
sec-Butylbenzene	10.2		"	10.0		102	79-137		0.975	30
Styrene	10.0		"	10.0		100	67-132		0.695	30
tert-Amyl alcohol (TAA)	96.4		"	100		96.4	70-130		28.4	30
tert-Amyl methyl ether (TAME)	10.3		"	10.0		103	70-130		7.69	30
tert-Butyl alcohol (TBA)	49.1		"	50.0		98.2	25-162		29.3	30
tert-Butylbenzene	10.0		"	10.0		100	77-138		2.85	30
Tetrachloroethylene	5.97		"	10.0		59.7	82-131	Low Bias	4.74	30
Tetrahydrofuran	11.3		"	10.0		113	36-166		18.4	30
Toluene	9.95		"	10.0		99.5	80-127		2.09	30
trans-1,2-Dichloroethylene	9.87		"	10.0		98.7	80-132		2.40	30
trans-1,3-Dichloropropylene	9.37		"	10.0		93.7	78-131		3.25	30
trans-1,4-dichloro-2-butene	9.36		"	10.0		93.6	63-141		0.851	30
Trichloroethylene	9.78		"	10.0		97.8	82-128		0.306	30
Trichlorofluoromethane	11.4		"	10.0		114	67-139		1.92	30
Vinyl acetate	15.5		"	10.0		155	21-90	High Bias	4.42	30
Vinyl Chloride	10.4		"	10.0		104	58-145		3.30	30
Surrogate: SURR: 1,2-Dichloroethane-d4	9.88		"	10.0		98.8	69-130			
Surrogate: SURR: Toluene-d8	9.51		"	10.0		95.1	81-117			
Surrogate: SURR: p-Bromofluorobenzene	9.87		"	10.0		98.7	79-122			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ42078 - EPA 5030B

Blank (BJ42078-BLK1)

Prepared & Analyzed: 10/30/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4,5-Tetramethylbenzene	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ42078 - EPA 5030B

Blank (BJ42078-BLK1)

Prepared & Analyzed: 10/30/2024

Diisopropyl ether (DIPE)	ND	0.800	ug/L								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methyleyclohexane	ND	0.500	"								
Methylene chloride	2.59	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.64		"	10.0		96.4	69-130				
Surrogate: SURR: Toluene-d8	9.74		"	10.0		97.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.98		"	10.0		99.8	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ42078 - EPA 5030B											
LCS (BJ42078-BS1)						Prepared & Analyzed: 10/30/2024					
1,1,1,2-Tetrachloroethane	9.80		ug/L	10.0		98.0	82-126				
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	9.92		"	10.0		99.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7		"	10.0		117	54-165				
1,1,2-Trichloroethane	9.52		"	10.0		95.2	82-123				
1,1-Dichloroethane	9.78		"	10.0		97.8	82-129				
1,1-Dichloroethylene	10.9		"	10.0		109	68-138				
1,1-Dichloropropylene	10.7		"	10.0		107	83-133				
1,2,3-Trichlorobenzene	9.97		"	10.0		99.7	76-136				
1,2,3-Trichloropropane	9.45		"	10.0		94.5	77-128				
1,2,4,5-Tetramethylbenzene	10.1		"	10.0		101	85-140				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137				
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132				
1,2-Dibromo-3-chloropropane	9.99		"	10.0		99.9	45-147				
1,2-Dibromoethane	9.68		"	10.0		96.8	83-124				
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123				
1,2-Dichloroethane	10.1		"	10.0		101	73-132				
1,2-Dichloropropane	9.63		"	10.0		96.3	78-126				
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,3-Dichloropropane	9.80		"	10.0		98.0	81-125				
1,4-Dichlorobenzene	9.98		"	10.0		99.8	85-124				
1,4-Dioxane	260		"	210		124	10-349				
2,2-Dichloropropane	10.3		"	10.0		103	56-150				
2-Butanone	8.86		"	10.0		88.6	49-152				
2-Chlorotoluene	10.2		"	10.0		102	79-130				
2-Hexanone	7.70		"	10.0		77.0	51-146				
4-Chlorotoluene	10.3		"	10.0		103	79-128				
4-Methyl-2-pentanone	8.99		"	10.0		89.9	57-145				
Acetone	18.5		"	10.0		185	14-150	High Bias			
Acrolein	9.75		"	10.0		97.5	10-153				
Acrylonitrile	9.91		"	10.0		99.1	51-150				
Benzene	10.7		"	10.0		107	85-126				
Bromobenzene	9.77		"	10.0		97.7	78-129				
Bromochloromethane	9.33		"	10.0		93.3	77-128				
Bromodichloromethane	9.80		"	10.0		98.0	79-128				
Bromoform	9.86		"	10.0		98.6	78-133				
Bromomethane	3.38		"	10.0		33.8	43-168	Low Bias			
Carbon disulfide	10.4		"	10.0		104	68-146				
Carbon tetrachloride	10.9		"	10.0		109	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				
Chloroethane	14.8		"	10.0		148	65-136	High Bias			
Chloroform	10.2		"	10.0		102	82-128				
Chloromethane	8.95		"	10.0		89.5	43-155				
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129				
cis-1,3-Dichloropropylene	9.50		"	10.0		95.0	80-131				
Cyclohexane	9.38		"	10.0		93.8	63-149				
Dibromochloromethane	9.74		"	10.0		97.4	80-130				
Dibromomethane	9.52		"	10.0		95.2	72-134				
Dichlorodifluoromethane	13.1		"	10.0		131	44-144				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ42078 - EPA 5030B

LCS (BJ42078-BS1)

Prepared & Analyzed: 10/30/2024

Diisopropyl ether (DIPE)	9.56		ug/L	10.0		95.6	70-130				
Ethyl Benzene	10.4		"	10.0		104	80-131				
Ethyl tert-butyl ether (ETBE)	9.58		"	10.0		95.8	70-130				
Hexachlorobutadiene	10.8		"	10.0		108	67-146				
Iodomethane	2.89		"	10.0		28.9	70-130	Low Bias			
Isopropylbenzene	10.6		"	10.0		106	76-140				
Methyl acetate	8.05		"	10.0		80.5	51-139				
Methyl Methacrylate	9.35		"	10.0		93.5	72-132				
Methyl tert-butyl ether (MTBE)	9.25		"	10.0		92.5	76-135				
Methyleyclohexane	10.0		"	10.0		100	72-143				
Methylene chloride	12.8		"	10.0		128	55-137				
Naphthalene	10.2		"	10.0		102	70-147				
n-Butylbenzene	10.8		"	10.0		108	79-132				
n-Propylbenzene	10.4		"	10.0		104	78-133				
o-Xylene	10.2		"	10.0		102	78-130				
p- & m- Xylenes	18.1		"	20.0		90.5	77-133				
p-Diethylbenzene	10.6		"	10.0		106	84-134				
p-Ethyltoluene	10.8		"	10.0		108	88-129				
p-Isopropyltoluene	10.9		"	10.0		109	81-136				
sec-Butylbenzene	10.7		"	10.0		107	79-137				
Styrene	10.2		"	10.0		102	67-132				
tert-Amyl alcohol (TAA)	85.6		"	100		85.6	70-130				
tert-Amyl methyl ether (TAME)	9.79		"	10.0		97.9	70-130				
tert-Butyl alcohol (TBA)	41.4		"	50.0		82.7	25-162				
tert-Butylbenzene	10.4		"	10.0		104	77-138				
Tetrachloroethylene	6.25		"	10.0		62.5	82-131	Low Bias			
Tetrahydrofuran	9.82		"	10.0		98.2	36-166				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.50		"	10.0		95.0	78-131				
trans-1,4-dichloro-2-butene	9.72		"	10.0		97.2	63-141				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	13.5		"	10.0		135	67-139				
Vinyl acetate	19.3		"	10.0		193	21-90	High Bias			
Vinyl Chloride	14.4		"	10.0		144	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.61		"	10.0		96.1	69-130				
Surrogate: SURR: Toluene-d8	9.77		"	10.0		97.7	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.81		"	10.0		98.1	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BJ42078 - EPA 5030B											
LCS Dup (BJ42078-BSD1)						Prepared & Analyzed: 10/30/2024					
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		4.29	30	
1,1,1-Trichloroethane	11.0		"	10.0		110	78-136		7.46	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129		5.30	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1		"	10.0		121	54-165		3.95	30	
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123		6.21	30	
1,1-Dichloroethane	10.3		"	10.0		103	82-129		5.37	30	
1,1-Dichloroethylene	11.2		"	10.0		112	68-138		3.25	30	
1,1-Dichloropropylene	11.3		"	10.0		113	83-133		5.53	30	
1,2,3-Trichlorobenzene	10.6		"	10.0		106	76-136		6.41	30	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128		6.05	30	
1,2,4,5-Tetramethylbenzene	10.3		"	10.0		103	85-140		1.66	30	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137		3.93	30	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132		0.575	30	
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	45-147		9.26	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		8.03	30	
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123		2.47	30	
1,2-Dichloroethane	10.9		"	10.0		109	73-132		8.18	30	
1,2-Dichloropropane	9.85		"	10.0		98.5	78-126		2.26	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		0.281	30	
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122		0.297	30	
1,3-Dichloropropane	10.4		"	10.0		104	81-125		6.23	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124		1.79	30	
1,4-Dioxane	317		"	210		151	10-349		19.8	30	
2,2-Dichloropropane	10.8		"	10.0		108	56-150		4.66	30	
2-Butanone	9.89		"	10.0		98.9	49-152		11.0	30	
2-Chlorotoluene	10.3		"	10.0		103	79-130		0.780	30	
2-Hexanone	8.71		"	10.0		87.1	51-146		12.3	30	
4-Chlorotoluene	10.3		"	10.0		103	79-128		0.0974	30	
4-Methyl-2-pentanone	10.0		"	10.0		100	57-145		10.7	30	
Acetone	20.1		"	10.0		201	14-150	High Bias	8.08	30	
Acrolein	9.86		"	10.0		98.6	10-153		1.12	30	
Acrylonitrile	11.6		"	10.0		116	51-150		15.3	30	
Benzene	11.2		"	10.0		112	85-126		4.29	30	
Bromobenzene	10.0		"	10.0		100	78-129		2.33	30	
Bromochloromethane	9.83		"	10.0		98.3	77-128		5.22	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		3.51	30	
Bromoform	10.4		"	10.0		104	78-133		5.14	30	
Bromomethane	4.97		"	10.0		49.7	43-168		38.1	30	Non-dir.
Carbon disulfide	11.1		"	10.0		111	68-146		5.67	30	
Carbon tetrachloride	11.5		"	10.0		115	77-141		5.09	30	
Chlorobenzene	10.3		"	10.0		103	88-120		1.96	30	
Chloroethane	14.9		"	10.0		149	65-136	High Bias	0.269	30	
Chloroform	10.8		"	10.0		108	82-128		5.80	30	
Chloromethane	9.04		"	10.0		90.4	43-155		1.00	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129		2.86	30	
cis-1,3-Dichloropropylene	9.73		"	10.0		97.3	80-131		2.39	30	
Cyclohexane	9.93		"	10.0		99.3	63-149		5.70	30	
Dibromochloromethane	10.4		"	10.0		104	80-130		7.03	30	
Dibromomethane	9.98		"	10.0		99.8	72-134		4.72	30	
Dichlorodifluoromethane	14.2		"	10.0		142	44-144		8.18	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ42078 - EPA 5030B

LCS Dup (BJ42078-BSD1)

Prepared & Analyzed: 10/30/2024

Diisopropyl ether (DIPE)	10.2		ug/L	10.0		102	70-130		6.87	30
Ethyl Benzene	10.7		"	10.0		107	80-131		2.93	30
Ethyl tert-butyl ether (ETBE)	10.6		"	10.0		106	70-130		9.83	30
Hexachlorobutadiene	11.0		"	10.0		110	67-146		1.65	30
Iodomethane	3.61		"	10.0		36.1	70-130	Low Bias	22.2	30
Isopropylbenzene	10.6		"	10.0		106	76-140		0.189	30
Methyl acetate	8.70		"	10.0		87.0	51-139		7.76	30
Methyl Methacrylate	10.4		"	10.0		104	72-132		10.2	30
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135		10.8	30
Methyleyclohexane	10.2		"	10.0		102	72-143		1.98	30
Methylene chloride	13.5		"	10.0		135	55-137		5.40	30
Naphthalene	10.9		"	10.0		109	70-147		6.82	30
n-Butylbenzene	10.8		"	10.0		108	79-132		0.926	30
n-Propylbenzene	10.5		"	10.0		105	78-133		0.858	30
o-Xylene	10.4		"	10.0		104	78-130		2.24	30
p- & m- Xylenes	18.5		"	20.0		92.3	77-133		1.97	30
p-Diethylbenzene	10.6		"	10.0		106	84-134		0.0943	30
p-Ethyltoluene	10.8		"	10.0		108	88-129		0.185	30
p-Isopropyltoluene	11.1		"	10.0		111	81-136		1.27	30
sec-Butylbenzene	10.8		"	10.0		108	79-137		1.02	30
Styrene	10.6		"	10.0		106	67-132		3.77	30
tert-Amyl alcohol (TAA)	106		"	100		106	70-130		21.0	30
tert-Amyl methyl ether (TAME)	11.0		"	10.0		110	70-130		11.2	30
tert-Butyl alcohol (TBA)	52.1		"	50.0		104	25-162		23.0	30
tert-Butylbenzene	10.5		"	10.0		105	77-138		1.24	30
Tetrachloroethylene	6.46		"	10.0		64.6	82-131	Low Bias	3.30	30
Tetrahydrofuran	10.5		"	10.0		105	36-166		6.50	30
Toluene	10.4		"	10.0		104	80-127		2.03	30
trans-1,2-Dichloroethylene	10.7		"	10.0		107	80-132		5.69	30
trans-1,3-Dichloropropylene	9.73		"	10.0		97.3	78-131		2.39	30
trans-1,4-dichloro-2-butene	10.2		"	10.0		102	63-141		5.02	30
Trichloroethylene	10.4		"	10.0		104	82-128		2.34	30
Trichlorofluoromethane	13.9		"	10.0		139	67-139		2.99	30
Vinyl acetate	22.0		"	10.0		220	21-90	High Bias	12.7	30
Vinyl Chloride	11.6		"	10.0		116	58-145		21.6	30
Surrogate: SURR: 1,2-Dichloroethane-d4	9.72		"	10.0		97.2	69-130			
Surrogate: SURR: Toluene-d8	9.55		"	10.0		95.5	81-117			
Surrogate: SURR: p-Bromofluorobenzene	9.70		"	10.0		97.0	79-122			



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40095 - EPA 1633 Prep

Blank (BK40095-BLK1)

Prepared: 11/02/2024 Analyzed: 11/04/2024

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	28.0		"	23.3		120	25-150				
Surrogate: M5PFHxA	35.8		"	25.0		143	25-150				
Surrogate: M4PFHpA	29.1		"	25.0		116	25-150				
Surrogate: M3PFHxS	30.1		"	23.7		127	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	38.6		"	25.0		155	25-150				
Surrogate: M6PFDA	20.1		"	12.5		161	25-150				
Surrogate: M7PFUdA	13.8		"	12.5		110	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40095 - EPA 1633 Prep											
Blank (BK40095-BLK1)						Prepared: 11/02/2024 Analyzed: 11/04/2024					
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	10.2		ng/L	12.5		81.8	25-150				
Surrogate: M2PFTeDA	6.47		"	12.5		51.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	6.86		"	100		6.86	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	36.0		"	24.0		150	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	50.0		"	50.0		100	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	36.9		"	25.0		147	10-150				
Surrogate: d3-N-MeFOSAA	63.8		"	50.0		128	25-150				
Surrogate: d5-N-EtFOSAA	72.7		"	50.0		145	25-150				
Surrogate: M2-6:2 FTS	48.5		"	47.6		102	25-200				
Surrogate: M2-8:2 FTS	48.4		"	48.0		101	25-200				
Surrogate: M9PFNA	17.5		"	12.5		140	25-150				
Surrogate: M2-4:2 FTS	69.2		"	46.9		148	25-150				
Surrogate: d-N-MeFOSA	24.9		"	25.0		99.4	25-150				
Surrogate: d-N-EtFOSA	18.6		"	25.0		74.5	25-150				
Surrogate: M3HFPO-DA	146		"	100		146	25-150				
Surrogate: d9-N-EtFOSE	181		"	250		72.2	25-150				
Surrogate: d7-N-MeFOSE	235		"	250		94.2	25-150				
LCS (BK40095-BS1)						Prepared: 11/02/2024 Analyzed: 11/04/2024					
Perfluorobutanesulfonic acid (PFBS)	34.5	1.77	ng/L	35.4		97.5	50-150				
Perfluorohexanoic acid (PFHxA)	39.6	2.00	"	40.0		99.0	50-150				
Perfluoroheptanoic acid (PFHpA)	57.1	2.00	"	40.0		143	50-150				
Perfluorohexanesulfonic acid (PFHxS)	39.9	1.83	"	36.6		109	50-150				
Perfluorooctanoic acid (PFOA)	32.3	2.00	"	40.0		80.6	50-150				
Perfluorooctanesulfonic acid (PFOS)	41.3	1.86	"	37.2		111	50-150				
Perfluorononanoic acid (PFNA)	39.5	2.00	"	40.0		98.8	50-150				
Perfluorodecanoic acid (PFDA)	35.3	2.00	"	40.0		88.3	50-150				
Perfluoroundecanoic acid (PFUnA)	45.0	2.00	"	40.0		112	50-150				
Perfluorododecanoic acid (PFDoA)	38.8	2.00	"	40.0		96.9	50-150				
Perfluorotridecanoic acid (PFTriDA)	52.8	2.00	"	40.0		132	50-150				
Perfluorotetradecanoic acid (PFTA)	44.8	2.00	"	40.0		112	50-150				
N-MeFOSAA	41.4	2.00	"	40.0		103	50-150				
N-EtFOSAA	41.0	2.00	"	40.0		102	50-150				
Perfluoropentanoic acid (PFPeA)	88.3	4.00	"	80.0		110	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	33.7	2.00	"	40.0		84.3	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	40.9	1.91	"	38.2		107	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	39.8	1.93	"	38.6		103	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	152	7.60	"	152		100	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	149	7.68	"	154		97.3	50-150				
Perfluoro-n-butanoic acid (PFBA)	146	8.00	"	160		91.1	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	87.1	3.56	"	71.2		122	50-150				
Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	91.2	4.00	"	80.0		114	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	13.7	4.00	"	80.0		17.1	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	128	4.00	"	80.0		160	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	42.4	1.88	"	37.6		113	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40095 - EPA 1633 Prep

LCS (BK40095-BS1)

Prepared: 11/02/2024 Analyzed: 11/04/2024

1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	132	7.50	ng/L	150		88.1	50-150				
HFPO-DA (Gen-X)	82.5	8.00	"	80.0		103	50-150				
11CL-PF3OUdS	82.1	7.56	"	75.6		109	50-150				
9CL-PF3ONS	87.2	7.48	"	74.8		117	50-150				
ADONA	90.4	7.56	"	75.6		120	50-150				
Perfluorododecanesulfonic acid (PFDoS)	26.4	1.94	"	38.8		68.0	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	40.3	1.92	"	38.4		105	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	94.8	5.00	"	160		59.3	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	910	25.0	"	800		114	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1030	25.0	"	800		128	50-150				
N-MeFOSE	377	20.0	"	400		94.3	50-150				
N-MeFOSA	47.3	2.00	"	40.0		118	50-150				
N-EtFOSE	418	20.0	"	400		104	50-150				
N-EtFOSA	36.8	2.00	"	40.0		92.1	50-150				
Surrogate: M3PFBS	28.7		"	23.3		123	25-150				
Surrogate: M5PFHxA	35.8		"	25.0		143	25-150				
Surrogate: M4PFHpA	29.4		"	25.0		118	25-150				
Surrogate: M3PFHxS	31.1		"	23.7		131	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	41.5		"	25.0		166	25-150				
Surrogate: M6PFDA	17.5		"	12.5		140	25-150				
Surrogate: M7PFUdA	17.7		"	12.5		142	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	13.9		"	12.5		111	25-150				
Surrogate: M2PFTeDA	9.40		"	12.5		75.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.88		"	100		2.88	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	34.2		"	24.0		143	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	32.7		"	50.0		65.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	35.4		"	25.0		141	10-150				
Surrogate: d3-N-MeFOSAA	64.9		"	50.0		130	25-150				
Surrogate: d5-N-EtFOSAA	75.0		"	50.0		150	25-150				
Surrogate: M2-6:2 FTS	56.7		"	47.6		119	25-200				
Surrogate: M2-8:2 FTS	61.9		"	48.0		129	25-200				
Surrogate: M9PFNA	17.4		"	12.5		139	25-150				
Surrogate: M2-4:2 FTS	69.5		"	46.9		148	25-150				
Surrogate: d-N-MeFOSA	24.6		"	25.0		98.2	25-150				
Surrogate: d-N-EtFOSA	20.7		"	25.0		82.7	25-150				
Surrogate: M3HFPO-DA	140		"	100		140	25-150				
Surrogate: d9-N-EtFOSE	197		"	250		78.7	25-150				
Surrogate: d7-N-MeFOSE	240		"	250		96.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40095 - EPA 1633 Prep											
LCS (BK40095-BS2)						Prepared: 11/02/2024 Analyzed: 11/04/2024					
Perfluorobutanesulfonic acid (PFBS)	6.78	1.77	ng/L	7.08		95.7	50-150				
Perfluorohexanoic acid (PFHxA)	7.70	2.00	"	8.00		96.2	50-150				
Perfluoroheptanoic acid (PFHpA)	11.5	2.00	"	8.00		144	50-150				
Perfluorohexanesulfonic acid (PFHxS)	7.70	1.83	"	7.32		105	50-150				
Perfluorooctanoic acid (PFOA)	6.57	2.00	"	8.00		82.2	50-150				
Perfluorooctanesulfonic acid (PFOS)	7.95	1.86	"	7.44		107	50-150				
Perfluorononanoic acid (PFNA)	8.30	2.00	"	8.00		104	50-150				
Perfluorodecanoic acid (PFDA)	7.16	2.00	"	8.00		89.5	50-150				
Perfluoroundecanoic acid (PFUnA)	9.52	2.00	"	8.00		119	50-150				
Perfluorododecanoic acid (PFDoA)	7.94	2.00	"	8.00		99.3	50-150				
Perfluorotridecanoic acid (PFTriDA)	10.9	2.00	"	8.00		136	50-150				
Perfluorotetradecanoic acid (PFTA)	7.98	2.00	"	8.00		99.7	50-150				
N-MeFOSAA	7.93	2.00	"	8.00		99.1	50-150				
N-EtFOSAA	9.48	2.00	"	8.00		118	50-150				
Perfluoropentanoic acid (PFPeA)	16.4	4.00	"	16.0		103	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.93	2.00	"	8.00		86.7	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	8.01	1.91	"	7.64		105	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	7.07	1.93	"	7.72		91.6	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	30.3	7.60	"	30.4		99.6	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	29.3	7.68	"	30.7		95.4	50-150				
Perfluoro-n-butanoic acid (PFBA)	31.7	8.00	"	32.0		99.0	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	16.5	3.56	"	14.2		116	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	19.0	4.00	"	16.0		119	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	3.36	4.00	"	16.0		21.0	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	21.9	4.00	"	16.0		137	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	8.42	1.88	"	7.52		112	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	26.8	7.50	"	30.0		89.5	50-150				
HFPO-DA (Gen-X)	17.8	8.00	"	16.0		111	50-150				
11CL-PF3OUdS	16.4	7.56	"	15.1		109	50-150				
9CL-PF3ONS	18.0	7.48	"	15.0		120	50-150				
ADONA	18.9	7.56	"	15.1		125	50-150				
Perfluorododecanesulfonic acid (PFDoS)	4.61	1.94	"	7.76		59.4	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	8.50	1.92	"	7.68		111	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	18.8	5.00	"	32.0		58.8	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	168	25.0	"	160		105	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	190	25.0	"	160		119	50-150				
N-MeFOSE	80.0	20.0	"	80.0		100	50-150				
N-MeFOSA	11.1	2.00	"	8.00		139	50-150				
N-EtFOSE	81.3	20.0	"	80.0		102	50-150				
N-EtFOSA	8.99	2.00	"	8.00		112	50-150				
Surrogate: M3PFBS	28.3		"	23.3		121	25-150				
Surrogate: M5PFHxA	34.5		"	25.0		138	25-150				
Surrogate: M4PFHpA	25.6		"	25.0		103	25-150				
Surrogate: M3PFHxS	31.1		"	23.7		131	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	40.5		"	25.0		162	25-150				
Surrogate: M6PFDA	17.5		"	12.5		140	25-150				
Surrogate: M7PFUdA	16.7		"	12.5		134	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40095 - EPA 1633 Prep

LCS (BK40095-BS2)

Prepared: 11/02/2024 Analyzed: 11/04/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	14.0		ng/L	12.5		112	25-150				
Surrogate: M2PFTeDA	9.34		"	12.5		74.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.92		"	100		4.92	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	31.4		"	24.0		131	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	39.3		"	50.0		78.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	31.6		"	25.0		127	10-150				
Surrogate: d3-N-MeFOSAA	60.6		"	50.0		121	25-150				
Surrogate: d5-N-EtFOSAA	68.0		"	50.0		136	25-150				
Surrogate: M2-6:2 FTS	52.7		"	47.6		111	25-200				
Surrogate: M2-8:2 FTS	57.5		"	48.0		120	25-200				
Surrogate: M9PFNA	14.4		"	12.5		115	25-150				
Surrogate: M2-4:2 FTS	67.8		"	46.9		145	25-150				
Surrogate: d-N-MeFOSA	21.1		"	25.0		84.4	25-150				
Surrogate: d-N-EtFOSA	16.3		"	25.0		65.1	25-150				
Surrogate: M3HFPO-DA	120		"	100		120	25-150				
Surrogate: d9-N-EtFOSE	183		"	250		73.1	25-150				
Surrogate: d7-N-MeFOSE	220		"	250		88.0	25-150				

Batch BK40110 - EPA 1633 Prep

Blank (BK40110-BLK1)

Prepared: 11/03/2024 Analyzed: 11/05/2024

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L
Perfluorohexanoic acid (PFHxA)	ND	2.00	"
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"
Perfluorooctanoic acid (PFOA)	ND	2.00	"
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"
Perfluorononanoic acid (PFNA)	ND	2.00	"
Perfluorodecanoic acid (PFDA)	ND	2.00	"
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"
Perfluorododecanoic acid (PFDoA)	ND	2.00	"
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"
N-MeFOSAA	ND	2.00	"
N-EtFOSAA	ND	2.00	"
Perfluoropentanoic acid (PFPeA)	ND	4.00	"
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.56	"
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.00	"
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40110 - EPA 1633 Prep

Blank (BK40110-BLK1)

Prepared: 11/03/2024 Analyzed: 11/05/2024

Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	25.4		"	23.3		109	25-150				
Surrogate: M5PFHxA	29.7		"	25.0		119	25-150				
Surrogate: M4PFHpA	22.4		"	25.0		89.6	25-150				
Surrogate: M3PFHxS	28.1		"	23.7		119	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	31.4		"	25.0		126	25-150				
Surrogate: M6PFDA	17.7		"	12.5		141	25-150				
Surrogate: M7PFUdA	12.7		"	12.5		101	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.0		"	12.5		88.0	25-150				
Surrogate: M2PFTeDA	7.40		"	12.5		59.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	18.3		"	100		18.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	26.3		"	24.0		110	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	52.1		"	50.0		104	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	27.2		"	25.0		109	10-150				
Surrogate: d3-N-MeFOSAA	44.8		"	50.0		89.6	25-150				
Surrogate: d5-N-EtFOSAA	48.5		"	50.0		97.1	25-150				
Surrogate: M2-6:2 FTS	49.4		"	47.6		104	25-200				
Surrogate: M2-8:2 FTS	47.4		"	48.0		98.7	25-200				
Surrogate: M9PFNA	14.3		"	12.5		114	25-150				
Surrogate: M2-4:2 FTS	67.6		"	46.9		144	25-150				
Surrogate: d-N-MeFOSA	20.3		"	25.0		81.1	25-150				
Surrogate: d-N-EtFOSA	13.5		"	25.0		53.8	25-150				
Surrogate: M3HFPO-DA	116		"	100		116	25-150				
Surrogate: d9-N-EtFOSE	143		"	250		57.1	25-150				
Surrogate: d7-N-MeFOSE	183		"	250		73.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40110 - EPA 1633 Prep

LCS (BK40110-BS1)

Prepared: 11/03/2024 Analyzed: 11/05/2024

Perfluorobutanesulfonic acid (PFBS)	34.2	1.77	ng/L	35.4		96.5	50-150				
Perfluorohexanoic acid (PFHxA)	37.8	2.00	"	40.0		94.6	50-150				
Perfluoroheptanoic acid (PFHpA)	58.4	2.00	"	40.0		146	50-150				
Perfluorohexanesulfonic acid (PFHxS)	36.1	1.83	"	36.6		98.6	50-150				
Perfluorooctanoic acid (PFOA)	33.5	2.00	"	40.0		83.8	50-150				
Perfluorooctanesulfonic acid (PFOS)	40.3	1.86	"	37.2		108	50-150				
Perfluorononanoic acid (PFNA)	39.8	2.00	"	40.0		99.4	50-150				
Perfluorodecanoic acid (PFDA)	29.4	2.00	"	40.0		73.4	50-150				
Perfluoroundecanoic acid (PFUnA)	44.2	2.00	"	40.0		110	50-150				
Perfluorododecanoic acid (PFDoA)	38.3	2.00	"	40.0		95.7	50-150				
Perfluorotridecanoic acid (PFTriDA)	49.1	2.00	"	40.0		123	50-150				
Perfluorotetradecanoic acid (PFTA)	40.5	2.00	"	40.0		101	50-150				
N-MeFOSAA	38.4	2.00	"	40.0		95.9	50-150				
N-EtFOSAA	38.6	2.00	"	40.0		96.5	50-150				
Perfluoropentanoic acid (PFPeA)	83.4	4.00	"	80.0		104	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	32.1	2.00	"	40.0		80.2	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	40.0	1.91	"	38.2		105	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	37.4	1.93	"	38.6		96.8	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	138	7.60	"	152		90.8	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	147	7.68	"	154		95.4	50-150				
Perfluoro-n-butanoic acid (PFBA)	164	8.00	"	160		103	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	80.3	3.56	"	71.2		113	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	66.0	4.00	"	80.0		82.5	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	35.0	4.00	"	80.0		43.8	50-150				Low Bias
Perfluoro-5-oxahexanoic acid (PFMBA)	86.5	4.00	"	80.0		108	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	38.9	1.88	"	37.6		103	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	123	7.50	"	150		82.3	50-150				
HFPO-DA (Gen-X)	76.3	8.00	"	80.0		95.4	50-150				
11CL-PF3OUdS	69.4	7.56	"	75.6		91.8	50-150				
9CL-PF3ONS	82.2	7.48	"	74.8		110	50-150				
ADONA	82.3	7.56	"	75.6		109	50-150				
Perfluorododecanesulfonic acid (PFDoS)	26.3	1.94	"	38.8		67.9	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	39.6	1.92	"	38.4		103	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	126	5.00	"	160		78.5	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	806	25.0	"	800		101	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	822	25.0	"	800		103	50-150				
N-MeFOSE	330	20.0	"	400		82.6	50-150				
N-MeFOSA	47.6	2.00	"	40.0		119	50-150				
N-EtFOSE	407	20.0	"	400		102	50-150				
N-EtFOSA	36.4	2.00	"	40.0		90.9	50-150				
Surrogate: M3PFBS	23.4		"	23.3		101	25-150				
Surrogate: M5PFHxA	34.8		"	25.0		139	25-150				
Surrogate: M4PFHpA	26.4		"	25.0		106	25-150				
Surrogate: M3PFHxS	26.9		"	23.7		114	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	34.2		"	25.0		137	25-150				
Surrogate: M6PFDA	18.8		"	12.5		151	25-150				
Surrogate: M7PFUdA	13.8		"	12.5		111	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40110 - EPA 1633 Prep

LCS (BK40110-BS1)

Prepared: 11/03/2024 Analyzed: 11/05/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.0		ng/L	12.5		95.8	25-150				
Surrogate: M2PFTeDA	8.04		"	12.5		64.3	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	19.1		"	100		19.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	28.5		"	24.0		119	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	56.1		"	50.0		112	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	32.8		"	25.0		131	10-150				
Surrogate: d3-N-MeFOSAA	56.9		"	50.0		114	25-150				
Surrogate: d5-N-EtFOSAA	65.9		"	50.0		132	25-150				
Surrogate: M2-6:2 FTS	50.5		"	47.6		106	25-200				
Surrogate: M2-8:2 FTS	52.7		"	48.0		110	25-200				
Surrogate: M9PFNA	15.2		"	12.5		122	25-150				
Surrogate: M2-4:2 FTS	60.6		"	46.9		129	25-150				
Surrogate: d-N-MeFOSA	21.8		"	25.0		87.0	25-150				
Surrogate: d-N-EtFOSA	18.2		"	25.0		72.7	25-150				
Surrogate: M3HFPO-DA	132		"	100		132	25-150				
Surrogate: d9-N-EtFOSE	171		"	250		68.3	25-150				
Surrogate: d7-N-MeFOSE	216		"	250		86.5	25-150				

LCS (BK40110-BS2)

Prepared: 11/03/2024 Analyzed: 11/05/2024

Perfluorobutanesulfonic acid (PFBS)	5.85	1.77	ng/L	7.08		82.7	50-150				
Perfluorohexanoic acid (PFHxA)	7.12	2.00	"	8.00		89.0	50-150				
Perfluoroheptanoic acid (PFHpA)	11.8	2.00	"	8.00		147	50-150				
Perfluorohexanesulfonic acid (PFHxS)	7.89	1.83	"	7.32		108	50-150				
Perfluorooctanoic acid (PFOA)	6.05	2.00	"	8.00		75.7	50-150				
Perfluorooctanesulfonic acid (PFOS)	6.48	1.86	"	7.44		87.2	50-150				
Perfluorononanoic acid (PFNA)	7.20	2.00	"	8.00		90.0	50-150				
Perfluorodecanoic acid (PFDA)	5.99	2.00	"	8.00		74.8	50-150				
Perfluoroundecanoic acid (PFUnA)	8.14	2.00	"	8.00		102	50-150				
Perfluorododecanoic acid (PFDoA)	7.43	2.00	"	8.00		92.9	50-150				
Perfluorotridecanoic acid (PFTriDA)	9.63	2.00	"	8.00		120	50-150				
Perfluorotetradecanoic acid (PFTA)	6.88	2.00	"	8.00		86.0	50-150				
N-MeFOSAA	7.93	2.00	"	8.00		99.1	50-150				
N-EtFOSAA	8.30	2.00	"	8.00		104	50-150				
Perfluoropentanoic acid (PFPeA)	15.1	4.00	"	16.0		94.3	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.63	2.00	"	8.00		82.9	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.33	1.91	"	7.64		95.9	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.01	1.93	"	7.72		64.9	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	32.7	7.60	"	30.4		107	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	31.7	7.68	"	30.7		103	50-150				
Perfluoro-n-butanoic acid (PFBA)	30.8	8.00	"	32.0		96.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	15.0	3.56	"	14.2		105	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	13.5	4.00	"	16.0		84.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	4.71	4.00	"	16.0		29.4	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	20.0	4.00	"	16.0		125	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	7.92	1.88	"	7.52		105	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK40110 - EPA 1633 Prep

LCS (BK40110-BS2)

Prepared: 11/03/2024 Analyzed: 11/05/2024

1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	24.7	7.50	ng/L	30.0		82.3	50-150				
HFPO-DA (Gen-X)	17.7	8.00	"	16.0		111	50-150				
11CL-PF3OUdS	13.1	7.56	"	15.1		86.3	50-150				
9CL-PF3ONS	14.5	7.48	"	15.0		97.3	50-150				
ADONA	14.9	7.56	"	15.1		98.4	50-150				
Perfluorododecanesulfonic acid (PFDoS)	3.31	1.94	"	7.76		42.6	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	6.76	1.92	"	7.68		88.0	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	20.8	5.00	"	32.0		65.1	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	153	25.0	"	160		95.8	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	168	25.0	"	160		105	50-150				
N-MeFOSE	71.4	20.0	"	80.0		89.2	50-150				
N-MeFOSA	9.45	2.00	"	8.00		118	50-150				
N-EtFOSE	84.1	20.0	"	80.0		105	50-150				
N-EtFOSA	7.41	2.00	"	8.00		92.6	50-150				
Surrogate: M3PFBS	24.9		"	23.3		107	25-150				
Surrogate: M5PFHxA	29.4		"	25.0		118	25-150				
Surrogate: M4PFHpA	21.8		"	25.0		87.4	25-150				
Surrogate: M3PFHxS	25.9		"	23.7		109	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	32.0		"	25.0		128	25-150				
Surrogate: M6PFDA	17.8		"	12.5		142	25-150				
Surrogate: M7PFUdA	13.9		"	12.5		111	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	10.5		"	12.5		84.3	25-150				
Surrogate: M2PFTeDA	7.61		"	12.5		60.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	9.93		"	100		9.93	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	27.0		"	24.0		113	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	35.7		"	50.0		71.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	26.0		"	25.0		104	10-150				
Surrogate: d3-N-MeFOSAA	46.5		"	50.0		93.1	25-150				
Surrogate: d5-N-EtFOSAA	48.5		"	50.0		97.0	25-150				
Surrogate: M2-6:2 FTS	43.7		"	47.6		91.9	25-200				
Surrogate: M2-8:2 FTS	45.2		"	48.0		94.2	25-200				
Surrogate: M9PFNA	14.5		"	12.5		116	25-150				
Surrogate: M2-4:2 FTS	61.5		"	46.9		131	25-150				
Surrogate: d-N-MeFOSA	20.9		"	25.0		83.6	25-150				
Surrogate: d-N-EtFOSA	14.7		"	25.0		59.0	25-150				
Surrogate: M3HFPO-DA	114		"	100		114	25-150				
Surrogate: d9-N-EtFOSE	138		"	250		55.4	25-150				
Surrogate: d7-N-MeFOSE	173		"	250		69.2	25-150				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24J1778-01	MW-59D	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24J1778-10	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-L	The LCS recovery for this PFAS compound was below control limits.
PF-CCV-H	The CCV recovery for this PFAS compound was above control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK ANALYTICAL LABORATORIES INC. Field Chain-of-Custody Record YORK Project Number 24J1778

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK

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Report To: WSP 500 Summit Lake Dr. White Plains, NY 10555

Company: WSP Address: 500 Summit Lake Dr. White Plains, NY 10555

Phone: 914 329 1392 Contact: John Benveniste E-mail: John.Benveniste@wsp.com

Invoice To: Same

YOUR Project Name / Number: Westchester County Airport PO Number 31402218-000

Matrix Codes: S - soil/solid/sludge GW - groundwater DW - drinking water SW - surface water WW - wastewater O - Oil Other

Time Date MW-59D 10/25/24 1045 MW-58D 1150 MW-56D 1245 MW-54S 1320 MW-54D 1345 MW-55S 1415 MW-56D 1445 MW-56S 1530 Field Blank 1545 Trip Blank -

Samples Collected by: (print AND sign your name) Mike Reiff

Preservative (please list number of containers): HCl (hydrochloric acid) 1 Unpreserved 1 MeOH (methanol) 3 HNO3 (nitric acid) 1 H2SO4 (sulfuric acid) 1 NaOH (sodium hydroxide) 1 Na2S2O3 (sodium thio.) 1 Trizma 1 Ammonium Acetate 1 Other:

Analytes Requested: VOCs - 8260 Full list 1,4-Dioxane 5 PCBs G/C

Report Type (circle): QA Report Summary (Results Only) NY ASP B Package NJ Reduced NJ DKQP NJ Full CT RCP EDD Type (circle): EQUIS (standard) NYSEDEC EQUIS NUDEP SRP Haz Site Standard Excel CMDP Other:

Regulatory Comparative: Compared to the following Regulation(s): (please fill in)

Field Filtered Lab Filtered

Comments: Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N Containers Intact: Y / N COC Labels Agree: Y / N Preservation Confirmed: Y / N

COC Completed: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N

Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company Date/Time 10/25/24 1600

2. Samples Relinquished by / Company Date/Time 10/28/24 9:15

3. Samples Relinquished by / Company Date/Time 10/28/24 15:20

4. Samples Relinquished by / Company Date/Time 10/28/24 15:20