July 23, 2024

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Via Electronic Transmission: ***JNonna@westchestercountyny.gov***

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

Dear Mr. Nonna:

This letter presents results for the first semi-annual groundwater sampling event of 2024 at the Westchester County Airport, which was completed between April 22 and 29. 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 fuel or 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.

PFAS are considered an emerging contaminant and they are being found at sites, including airports, across the country. 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 April 2024 sampling event included a total of 41 groundwater monitor wells of which 39 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). Beginning 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. Wells removed from the program were either damaged or are located in close proximity to other wells resulting in redundant data. These wells still exist and can be added back into the program, if needed.

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Table 1 lists the sampled wells, their depths and associated analytes. Of the 41 wells included in this sampling event, 27 are completed in the shallow unconsolidated 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 – April 2024.

Since April 2023 PFAS analyses have been completed using EPA analytical Method 1633. EPA 1633 is a recently approved method that includes 40 individual PFAS (Table 7) and is designed for environmental or non-drinking water samples. The previous method was EPA 537.1 M which included 21 PFAS and is a drinking water method. The change to EPA 1633 was required as of November 1, 2022, in accordance with a directive from the NYSDEC issued in June 2022. As part of the April 2023 sampling round, samples from three wells were analyzed by both analytical methods to determine how the change might affect results going forward. A comparison of the results showed that although method 1633 includes 19 additional PFAS, most were not detected and those that were had relatively low concentrations. Concentrations of the detected PFAS were similar between the two methods indicating that the previous method was detecting the PFAS of most concern and at similar concentrations.

LABORATORY RESULTS

Per- and Polyfluoroalkyl Substances (PFAS)

PFAS results are presented on Tables 2 through 4 and Figures 1 and 2. The highest concentrations of total PFAS (the sum of all detected compounds) were detected in wells MW-63 (28,177 nanograms per liter (ng/L)) and FMW-6 (27,285 ng/L) (Table 3). The highest concentrations of PFOS were detected in MW-64 (8,460 ng/l) and FMW-6 (5,290 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. These wells are located 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 the highest PFAS concentrations since the first 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 (13,500 ng/L) in comparison to upgradient wells FMW-39 (84 ng/l) and MW-59D (12 ng/l) indicates a secondary PFAS source area that is not related to the former burn pit. Additionally, the predominant PFAS detected in MW-58D (making up 79 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 dated 5/10/24 in the Appendix). The predominance of these compounds is consistent with a fluorotelomer type AFFF, which is different from 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 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 were significantly higher in comparison to other wells in this area (FMW-24, FMW-25, FMW-26 and MW-57). In addition, the predominant PFAS detected in these wells are consistent with a fluorotelomer type AFFF as opposed to a PFOS based AFFF (see laboratory report dated 5/6/24 in the appendix). Reportedly, an accidental discharge of foam from a tenant-owned fire suppression system occurred inside Hangar E sometime in 1999 or 2000.

Figure 2 presents graphs of total PFAS concentrations from August 2018 through April 2024 for 18 wells across the airport property. As shown on the graphs, PFAS concentrations tend to fluctuate within a consistent range over this time period. In some wells, concentrations fluctuate up and down in conjunction with seasonal groundwater-level changes (FMW-8, FMW-15, FMW-31). Concentrations in bedrock wells (labeled BR) tend to show more stable trends in comparison to wells in the shallow aquifer. This is most probably related to the fact that groundwater levels in bedrock are not as directly influenced by seasonal variations in comparison to 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-6, FMW-15 and FMW-31, show sharp concentration increases between April and October 2022. These wells are located in the northern end of the site in the vicinity of the former burn pit where groundwater levels and PFAS concentrations are highest. The cause of the above average concentrations is uncertain, however, results for 2023 and April 2024 show concentrations have decreased back into the baseline ranges for those wells (Figure 2).

Well FMW-23 shows a sharp increase in total PFAS concentration between October 2022 and April 2023 going from 1,365 ng/l to 2,842 ng/l (Figure 2). This well is a bedrock well located in the immediate vicinity of the former Burn Pit. The noted increase is related to concentrations of a few specific PFAS including PFNA (Perfluorononanoic acid) and PFPeA (Perfluoropentanoic acid). The cause of the concentration increase is unknown however, total PFAS results for October 2023 and April 2024 show concentrations in FMW-23 decreasing towards the baseline range for the well.

Well 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 (Figure 2). 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. Consequently, total PFAS concentrations in this well are expected to return to baseline levels over the next three to six months.

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.

At this time promulgated 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 April 2024 show that 36 out of 39 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 April 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 April 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 3.7 ug/l to 1,170 ug/L (micrograms per liter) for April 2024. In 2020, New York State promulgated a 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 appears to be isolated to the two noted locations, both with former tenant related solvent releases. Investigation and remediation of 1,4-dioxane at these sites will be completed 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 17 wells were analyzed for VOCs as part of the April 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. VOCs were detected in samples from 13 wells, 9 of which contained concentrations above groundwater standards including, DPW-2, Hangar E MW-1, MW-7S, MW-64, FMW-14, FMW-23, FMW-31, FMW-39 and MW-59D (Table 6).

Most of the April 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.

Some of the April 2024 VOC detections are not believed to be associated with the historical areas noted above. These include detections in wells FMW-14, DPW-2, FMW-39 and MW-59D.

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 April 2024 sampling round, chlorobenzene and benzene were detected above water-quality standards at 29 ug/L and 1.4 ug/L, respectively (Table 6). The water-quality standard for chlorobenzene is 5 ug/L and for benzene it is 1 ug/L. As noted, the source of chlorobenzene is unknown. Relative to benzene, this well is located in a low-lying field adjacent to airport roadways and it is susceptible to stormwater runoff and flooding, which could be a source of petroleum-related VOCs such as benzene.

Samples from DPW-2 and FMW-39 contained the petroleum constituent toluene at 6.5 ug/l and 590 ug/l respectively (Table 6). Results for October 2023 show toluene in these wells at 57 and 790 ug/l respectively. In response to the high concentration in FMW-39 at that time, it was re-sampled on December 4, 2023 for confirmation. The resampling results detected toluene at 1.1 ug/l, well below the original result of 790 ug/l. As a result, the original detection was considered suspect as it also was not consistent with historical data. Although DPW-2 was not resampled at that time, its result was also suspect based on a lack of previous toluene detections. The April 2024 concentrations were lower in comparison to the October 2023 results however, the results for FMW-39 are still elevated and additional investigation is needed to confirm the presence of toluene in that well and to identify the source.

The sample from well MW-59D contained 100 ug/l of methylene chloride which is a common laboratory contaminant. Methylene chloride has not been detected in this well previously and it is not a contaminant of concern at the site. As a result, this detection is suspect and is most likely the result of cross contamination at the lab.

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 five 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).

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 results for the duplicate samples. 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 (PFPeA) was detected in the April 24 field blank. The detected concentration was 0.37 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. The PFPeA field blank detection is significantly lower than any of the PFPeA detections in the well samples from that day. As a result, any cross-contamination that may have occurred would not have significantly influenced the sample results.

Acetone was detected in three of the trip blanks at concentrations between 1.1 and1.4 ug/L and all 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 0.24 and 3.1 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. The only site sample that contained either of these compounds was DPW-MW-3 collected on April 25 (chloroform at 2.3 ug/l). Chloroform is not a contaminant of concern at the airport and given its presence in multiple blank samples at similar concentrations, its detection in DPW-MW-3 is not considered significant.

1,4-Dioxane was detected in the April 25 trip blank at 66 ug/l. This detection was flagged by the laboratory as also having been detected in an internal laboratory batch blank at a similar concentration indicating cross contamination within the laboratory. In addition, none of the site samples collected on April 25 were analyzed for 1,4-dioxane. As a result, this detection did not have any influence 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 430.08 ft msl (feet above mean sea level) in the northern part of the site at DPWMW-3, to a low of 353.48 ft msl in the southeastern corner of the site at MW-58D (figure 4). In the bedrock aquifer, elevations ranged from a high of 423.72 ft msl at FMW-23 (north) to a low of 381.59 ft msl in MW-56D (west) (figure 5).

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 which drains to the south. The remainder lies in the Rye Lake sub-basin which drains westerly towards Rye Lake, located approximately 600 feet west of the airport. Groundwater flow in the Blind Brook Basin is primarily south to southeast. Groundwater flow within the Rye Lake basin flows primarily northwest to southwest. 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 April 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 April 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. A rise in groundwater level elevations above the normal range is noticeable in wells FMW-6, MW-7S BR and FMW-26, which are located in different areas of the site (figure 4). The higher elevations occur over the last 1-3 years and are between 1 and 3 feet (figure 6).

The next semi-annual sampling round will be scheduled in October 2024. If you have any questions, please feel free to contact me directly at (914) 461-2961.

Kind regards,

WSP USA

John Benvegna, PG(NY)
Vice President, Hydrogeologist

JB:cmm
Enclosures
cc: Hugh J. Greechan, Jr., PE
John Inserra
Scott Green

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TABLES

TABLE 1

WESTCHESTER COUNTY AIRPORT

Sample Analyte List - April 2024

Well (BR) = Bedrock	PFAS EPA 1633	Volatile Organics	1,4-Dioxane	Glycols	Well Depth (ft btoc)
DPW-2	X	X			11.30
DPWMW-3	X	X			14.00
FMW-2R	X				11.80
FMW-3	X				15.10
FMW-6	X				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	X	X		X	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 - April 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	104	5.4	7.5	**	**	11.30
DPWMW-3	15	3.6	<0.43	**	**	14.00
FMW-2R	33	3.6	10	**	**	11.80
FMW-3	74	28	5.9	**	**	15.10
FMW-6	27,285	5,290	1,310	**	**	11.20
FMW-8	4,447	2,510	294	**	**	11.00
FMW-14	415	122	58	**	**	15.45
FMW-15	224	26	13	**	**	14.90
FMW-16	2,051	1,250	99	**	**	15.80
FMW-23 (BR)	1,902	352	88	**	**	42.30
FMW-24	38	<0.85	18	**	**	8.50
FMW-25	29	2.1	11	**	ND	12.80
FMW-26	31	13	6.7	**	**	15.80
FMW-31	7,254	5,050	89	**	**	19.65
FMW-35 (BR)	226	98	19	**	**	57.50
FMW-37	**	**	**	**	ND	13.40
FMW-39	84	13	15	**	ND	6.30
FMW-40	1,405	689	49	**	**	12.70
MW-7S (BR)	432	67	28	15.1	**	24.65
MW-16	82	56	3.9	**	**	11.10
MW-43 (BR)	505	128	40	**	**	67.22
MW-44	419	95	75	**	**	18.10
MW-51 (BR)	301	47	31	**	**	52.00
MW-52 (BR)	7.4	<1.01	1.2	**	**	72.00
MW-53 (BR)	1,433	618	116	**	**	96.00
MW-54 S	11	3.2	0.49	**	**	12.85
MW-54 D (BR)	2,993	277	93	**	**	80.00
MW-55 S	1,576	639	54	**	**	18.00
MW-55 D (BR)	1,300	462	20	**	**	50.80
MW-56 S	722	115	206	**	**	12.80
MW-56 D (BR)	5.3	1.1	<0.46	**	**	83.90
MW-57 (BR)	9.5	3.2	2.7	**	**	81.70
MW-58 D	13,500	244	322	**	**	60.00
MW-59 D (BR)	12	<0.85	1.3	**	**	81.60
MW-60 (BR)	3,716	225	117	**	**	80.00
MW-63	28,177	778	14,200	**	**	15.00
MW-64	15,417	8,460	1,660	**	**	15.00
XDDMW-11 (BR)	227	27	14	3.7	ND	41.30
Hangar E MW-1	5,987	<8.2	271	1,170	ND	20.00
Hangar E MW-4	4,968	92	380	**	**	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.

* See lab reports in the Appendix for individual PFAS detections.

** - Not Analyzed

ND - Not Detected (see Appendix for detection limits)

Prepared by WSP USA

TABLE 3
WESTCHESTER COUNTY AIRPORT
Total PFAS, PFOS and PFOA Ranked by Total PFAS

APRIL 2023				
Total PFAS (ng/L)	PFOS (ng/L)	PFOA (ng/L)	Well (BR) = Bedrock	Well Depth (ft btoc)
54,301	7,250	2,210	FMW-6	11.20
33,620	2,690	14,200	MW-63	15.00
15,485	7,950	1,730	MW-64	15.00
7,009	103	233	MW-58 D	60.00
6,566	75	502	Hangar E MW-4	20.00
6,481	4,430	102	FMW-31	19.65
5,541	3,420	317	FMW-8	11.00
4,572	ND	277	Hangar E MW-1	20.00
4,274	218	122	MW-60 (BR)	80.00
2,842	370	104	FMW-23 (BR)	42.30
2,829	288	68	MW-54 D (BR)	80.00
2,755	910	45	MW-55 S	18.00
1,256	556	51	FMW-40	12.70
1,235	394	34	MW-55 D (BR)	50.80
1,127	409	104	MW-53 (BR)	96.00
1,068	244	91	FMW-16	15.80
764	170	159	MW-56 S	12.80
536	141	46	MW-43 (BR)	67.22
511	125	52	MW-44	18.10
495	61	31	XDDMW-11 (BR)	41.30
484	53	32	FMW-15	14.90
387	14	25	DPW-2	11.30
350	21	19	MW-51 (BR)	52.00
291	48	66	FMW-14	15.45
254	72	21	MW-7S (BR)	24.65
224	111	15	FMW-35 (BR)	57.50
120	16	9	DPWMW-3	14.00
103	ND	103	MW-54 S	12.85
64	44	4.1	MW-16	11.10
42	7	16	FMW-24	8.50
36	ND	12	FMW-2R	11.80
35	15	1.2	FMW-3	15.10
28	6.1	6.7	FMW-25	12.80
24	ND	4	MW-59 D (BR)	81.60
23	11	3.3	FMW-26	15.80
23	1	2.8	MW-52 (BR)	72.00
15	3	1	FMW-39	6.30
14	3.6	1.6	MW-57 (BR)	81.70
9	1.4	2.6	MW-56 D (BR)	83.90

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

(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)

Prepared by WSP USA

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	
DPW-2	275	198	387	74	238	299	239	29	140	387	401	104	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	12.00
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	12.00
FMW-14	346	492	350	298	198	278	279	314	144	291	346	415	15.45
FMW-15	305	103	373	179	497	218	658	130	1,271	484	576	224	14.87
FMW-16	899	769	624	843	950	806	1,070	710	938	1,068	1,734	2,051	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	43.00
FMW-24	77	79	75	52	39	47	45	101	42	42	40	38	9.00
FMW-25	36	42	29	27	23	18	34	26	26	28	41	29	16.00
FMW-26	25	28	94	21	62	11	36	32	80	23	30	31	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	21.50
FMW-35 (BR)	178	242	327	312	234	220	265	246	234	224	256	226	57.50
FMW-39	38	8	11	4	ND	19	144	ND	31	15	59	84	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	12.70
MW-3	93	90	77	86	**	**	**	**	**	**	**	**	17.50
MW-7S (BR)	294	362	325	221	**	**	280	324	290	254	302	432	25.00
MW-16	110	196	101	75	35	**	**	**	**	64	111	82	11.10
MW-43 (BR)	569	596	870	787	673	500	587	680	580	536	638	505	67.90
MW-44	508	450	544	440	586	**	**	530	509	511	576	419	18.10
MW-51	**	**	**	239	**	**	221	579	634	350	302	301	52.00
MW-52 (BR)	**	**	**	236	**	**	224	30	17	23	19	7.4	72.00
MW-53 (BR)	**	**	**	1,909	**	**	1,125	736	**	1,127	1,427	1,433	96.00
MW-54 S	**	**	**	18	**	**	125	4	155	103	550	11	12.85
MW-54 D (BR)	**	**	**	2,800	**	**	2,737	4,100	3,687	2,829	2,827	2,993	80.00
MW-55 S	**	**	**	2,123	**	**	2,611	3,824	3,183	2,755	1,355	1,576	18.00
MW-55 D (BR)	**	**	**	609	**	**	1,150	1,680	1,190	1,235	1,245	1,300	50.80
MW-56 S	**	**	**	947	**	**	1,076	353	944	764	1,048	722	12.80
MW-56 D (BR)	**	**	**	11	**	**	6	5	7	9	10	5	83.90
MW-57 (BR)	**	**	**	19	**	**	5	6	5	14	8	9.5	81.70
MW-58 S	**	**	**	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	60.00
MW-59 S	**	**	**	31	**	**	82	60	49	**	**	**	14.40
MW-59 D (BR)	**	**	**	58	**	**	37	97	30	24	17	12	81.60
MW-60 (BR)	**	**	**	4,168	**	**	3,439	4,575	4,585	4,274	4,444	3,716	80.00
MW-61	**	**	**	139	**	**	**	148	**	**	**	**	12.00
MW-63	**	**	**	65,880	**	**	**	21,368	53,835	33,620	38,822	28,177	15.00
MW-64	**	**	**	23,791	**	**	**	**	15,977	15,485	13,751	15,417	15.00
XDDMW-11 (BR)	1,283	544	272	455	410	503	430	458	456	495	406	227	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	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	20.00

Notes:

As of April 2023 PFAS is analylized 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.

Prepared by WSP USA

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	
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	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	40.00
Hangar E MW-1	**	**	1,940	470	2,590	580	1,750	920	2,860	1,700	2,290	1,170	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			
Compound		Oct. 2022	April 2023	Oct 2023	April 2024	Oct. 2022	Nov. 2022	April 2023	Oct. 2023	April 2024	Oct. 2022	April 2023	Oct. 2023	April 2024	Oct. 2022	April 2023	Oct. 2023	April 2024	Oct. 2020	April 2023	Oct. 2023	April 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	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25 J	ND	0.35 J	ND	ND	ND	ND
2-Butanone	50*	ND	ND	ND	ND	ND	1.8	0.39 J	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	~	ND	ND	ND	ND	ND	3.0	0.72	0.32 J	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50*	ND	ND	ND	ND	ND	6.2	1.9 J	1.2 J	4.4	ND	ND	ND	ND	ND	1.9 J	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	2.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	2.5	1.4	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60*	ND	0.25 J	ND	ND	1.1 J	1.3	0.42 J	ND	ND	ND	ND	ND	ND	ND	0.23 JB	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.7	38	19	29	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46 J	0.58	0.46 J	0.73	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	~	ND	ND	ND	ND	2.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	ND	ND	ND	ND	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	~	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	290	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	45	ND	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	9.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	1.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	57	6.5	73	12	0.76	ND	ND	ND	ND	ND	ND	ND	0.27 J	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.30 J	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	780	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NYSDEC TOGS - State groundwater standards and guidence values.

Exceeds Standard or Guidence

ug/L micrograms per liter (parts per billion)

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

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

~ - indicates that no regulatory limit 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-23				FMW-25				FMW-31 (ANG well)				FMW-39					FMW-40 (ANG well)			
Compound		Oct. 2022	April 2023	Oct. 2023	April 2024	Oct. 2022	April 2023	Oct. 2023	April 2024	Oct. 2022	April 2023	Oct. 2023	April 2024	Oct. 2022	April 2023	Oct. 2023	Dec. 2023	April 2024	Oct. 2022	April 2023	Oct. 2023	April 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	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.41 J**	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**5**	**0.32 J**	ND	ND	ND	ND	ND	ND	ND	**3.1**	**0.99**	**6.7**	**1.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	**0.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	**0.88**	**3.0**	**2.6**	**0.49 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**50***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	**~**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	**50***	ND	ND	ND	ND	ND	ND	ND	ND	**3.2**	**1.0 J**	**6.6**	**1.5 J**	**1.8 J**	**1.3 J**	ND	ND	**3.4**	**1.8 J**	ND	ND	ND
Benzene	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	**60***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23 JB**	ND	ND	**0.20 J**	ND	ND	ND	ND
Chlorobenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	**5**	**0.21 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	**5**	**140**	**7.9**	**73**	**98**	ND	ND	ND	ND	**0.76**	**0.60**	**0.74**	**0.32 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	**~**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	**0.52**	**0.71**	**1.3**	**1.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	**1.5**	**2.1**	**3.4**	**3.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	**10***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	**~**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.38 J**	ND	0.39 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	**1.9**	**3.2**	**4.6**	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	**5**	**0.20 J**	ND	ND	ND	ND	ND	ND	ND	ND	**0.23 J**	**0.38 J**	ND	ND	**0.26 J**	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.42 J**	ND	ND	ND	ND	ND
sec-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	**0.24 J**	**0.53**	**0.62**	**0.98**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	**~**	ND	ND	ND	ND	ND	ND	ND	ND	**2.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	**0.53**	**0.67**	**0.95**	**1.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**5**	**0.35 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.44 J**	**790**	**1.1**	**590**	ND	ND	ND	ND
trans-1,2-Dichloroethylene	**5**	**0.84**	ND	**0.37 J**	**0.750**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	**5**	**0.76**	ND	**0.30 J**	**0.49 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	**2**	**18**	ND	**31**	ND	ND	ND	ND	ND	**0.54**	**0.32 J**	**0.52**	**041 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	**5**	**0.74 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.75 J**	ND	ND	**0.82 J**	ND	ND	ND	ND	ND	ND	ND

NYSDEC TOGS - State groundwater standards and guidence values.

Exceeds Standard or Guidence

ug/L micrograms per liter (parts per billion)

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

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

~ - indicates that no regulatory limit 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 3 of 3

Sample ID	NYSDEC TOGS	MW-1 (Hangar E)				MW-7S (Hangar D)				MW-43 (Former Hangar B)				MW-59D				MW-64				XDDMW-10			
Compound		Oct. 2022	April 2023	Oct. 2023	April 2024	Oct. 2022	April 2023	Oct. 2023	April 2024	Oct. 2022	April 2023	Oct. 2023	April 2024	Oct. 2022	April 2023	Oct. 2023	April 2024	Oct. 2022	April 2023	Oct. 2023	April 2024	Oct. 2022	April 2023	Oct. 2023	April 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	**0.30 J**	**1.40**	**2.6**	**2.7**	**2.8**	**0.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**5**	**4.4**	**11**	**7.6**	**8.6**	**35**	**39**	**49**	**22**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.5**	**1.3**	**2.6**	**0.65**
1,1-Dichloroethylene	**5**	**19**	**27**	**19**	**18**	**7.6**	**7.1**	**16**	**0.49 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**5**	ND	ND	**2.6**	ND	ND	ND	**9.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.28 J**	ND
1,2-Dichlorobenzene	**3**	**0.20 J**	**0.26 J**	**0.30 J**	**0.25 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	**0.6**	**5.5**	**4.4**	**4.8**	**3.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.30**	**0.81**	**1.50**	**0.74**	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**5**	ND	ND	**0.50**	ND	ND	ND	**2.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**50***	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.24 J**	ND	ND	**1.0**	**2.8**	ND	ND	ND	ND	ND	ND	ND	**7.90**	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.60**	ND	ND
4-Methyl-2-pentanone	**~**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.40 J**	ND	ND	ND	ND	ND	ND	ND	ND	**0.55**	ND	ND
Acetone	**50***	**1.5 J**	ND	ND	ND	**23**	**1.2 J**	**5.9 J**	**2.7**	ND	**2.20**	ND	ND	**7.0**	**5.9**	ND	ND	ND	**5.60**	**1.20 J**	**1.0 J**	ND	**18**	ND	ND
Benzene	**1**	**0.67**	ND	ND	**0.61**	ND	ND	ND	**0.43 J**	ND	**0.85**	ND	ND	ND	ND	ND	ND	**0.22 J**	ND	ND	ND	ND	**37**	ND	ND
Bromomethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	**60***	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.25 JB**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.22 J**
Chlorobenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	**5**	**15**	**23**	**14**	**26**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	**5**	**3.3**	**4.0**	**3.7**	**3.0**	**26**	**27**	**22**	**2.4**	ND	ND	ND	ND	ND	ND	ND	ND	**0.61**	**0.32 J**	**0.51**	**0.24 J**	**2.1**	**1.1**	**4.0**	**1.2**
Cyclohexane	**~**	ND	**0.36 J**	**0.43 J**	**0.31 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12**	**2.8**	ND	**4.7**	ND	ND	ND	ND
Ethyl Benzene	**5**	ND	ND	**0.37 J**	ND	ND	ND	**3.3**	ND	ND	**0.20 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.4 J**	ND	ND
Isopropylbenzene	**5**	ND	ND	**0.27 J**	**0.32 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	**10***	ND	ND	ND	ND	ND	ND	ND	ND	**3.80**	**2.30**	**3.80**	**4.60**	ND	ND	ND	ND	**1.20**	**0.57**	**0.71**	**0.59**	ND	ND	ND	ND
Methylcyclohexane	**~**	**0.39 J**	**0.640**	**0.830**	**0.670**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.42 J**	**0.26 J**	ND	**0.23 J**	ND	ND	ND	ND
Methylene chloride	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**100**	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	**5**	ND	ND	**1.4**	ND	ND	ND	**1.8 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**5**	ND	ND	**0.32 J**	ND	ND	ND	**1.4 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	**5**	**0.29 J**	**0.38 J**	**0.87**	**0.38 J**	ND	ND	**2.6**	ND	ND	**0.29 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.34 J**	ND	ND
p-Isopropyltoluene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**5**	**0.22 J**	**0.37 J**	**0.48 J**	**0.37 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.31 J**	**0.20 J**	**0.25 J**	ND	ND	ND	ND	ND
Styrene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.2**	ND	ND
tert-Butyl alcohol (TBA)	**~**	**11**	**9.5**	**10**	ND	**4.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**5**	ND	**0.27 J**	**0.38 J**	**0.30 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.43 J**	**0.25 J**	**0.39 J**	**0.28 J**	ND	ND	ND	ND
Tetrachloroethylene	**5**	ND	ND	ND	ND	**6.5**	**1.7**	**8.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.30**	ND	ND	ND	ND	ND
Toluene	**5**	ND	ND	**0.25 J**	ND	ND	ND	ND	**0.32 J**	ND	**0.71**	ND	ND	**0.80**	**1.2**	**1.1**	ND	ND	ND	ND	ND	ND	**8.20**	ND	ND
trans-1,2-Dichloroethylene	**5**	ND	ND	ND	ND	**0.26 J**	**0.31 J**	ND	**0.25 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	**5**	ND	**0.42 J**	**0.46 J**	**0.48 J**	**6.6**	**6.8**	**10**	**1.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	**2**	**120**	**76**	**64**	**77**	**6.1**	**4.3**	**4.2**	**16**	ND	ND	ND	ND	ND	ND	ND	ND	**3.40**	**4.10**	**4.80**	**2.80**	ND	**0.24 J**	ND	ND
Xylenes, Total	**5**	ND	**0.63 J**	**2.0**	**0.63 J**	ND	ND	**12**	ND	ND	**0.93 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.90**	ND	ND

NYSDEC TOGS - State groundwater standards and guidence values.

Exceeds Standard or Guidence

ug/L micrograms per liter (parts per billion)

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

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

~ - indicates that no regulatory limit 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.

Prepared by WSP USA

TABLE 7
WESTCHESTER COUNTY AIRPORT
Field Duplicate Results

Date	04/23/24		04/24/24	
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	20.2	<17.9
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	268	247	498	468
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 (PFEESA)	ND	ND	ND	ND
Perfluoro-1-decanesulfonic acid (PFDS)	ND	ND	ND	ND
Perfluoro-1-heptanesulfonic acid (PFHpS)	157	150	ND	ND
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	ND	ND	ND
Perfluoro-1-octanesulfonamide (FOSA)	ND	ND	ND	ND
Perfluoro-1-pentanesulfonate (PFPeS)	872	817	ND	ND
Perfluoro-3,6-dioxaheptanoic 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)	560	576	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)	419	402	405	379
Perfluorohexanesulfonic acid (PFHxS)	8,060	7,690	ND	ND
Perfluorohexanoic acid (PFHxA)	2,120	2,300	1,130	1,020
Perfluoro-n-butanoic acid (PFBA)	<6.6	284	<3.3	479
Perfluorononanoic acid (PFNA)	48.5	52.9	22.7	17.3
Perfluorooctanesulfonic acid (PFOS)	778	757	ND	ND
Perfluorooctanoic acid (PFOA)	14,200	12,500	271	281
Perfluoropentanoic acid (PFPeA)	694	708	3,640	3,480
Perfluorotetradecanoic acid (PFTA)	ND	ND	ND	ND
Perfluorotridecanoic acid (PFTrDA)	ND	ND	ND	ND
Perfluoroundecanoic acid (PFUnA)	ND	ND	ND	ND
Total PFAS	28,177	26,484	5,987	6,124

Date	04/24/24	
Sample ID	Hangar E MW-1	Field Duplicate
Volatile Organics, 8260	ug/L	ug/L
1,1,1-Trichloroethane	1.40	2.40
1,1-Dichloroethane	8.60	8.90
1,1-Dichloroethylene	18	19
1,2-Dichlorobenzene	0.25 J	0.26 J
1,2-Dichloroethane	3.40	3.20
1,4-Dioxane	920	1,100
Acetone	ND	ND
Benzene	0.61	0.61
Carbon disulfide	ND	ND
Chloroethane	26	23
Chloroform	ND	ND
cis-1,2-Dichloroethylene	3.0	3.1
Cyclohexane	0.31 J	0.31 J
Isopropylbenzene	0.32 J	0.33 J
Methylcyclohexane	0.67	0.69
o-Xylene	0.38 J	0.38 J
sec-Butylbenzene	0.37 J	0.39 J
tert-Butyl alcohol (TBA)	<0.50	3.50
tert-Butylbenzene	0.30 J	0.30 J
Toluene	ND	ND
trans-1,2-Dichloroethylene	ND	ND
Trichloroethylene	0.48 J	0.48 J
Vinyl Chloride	77	82
Xylenes, Total	0.63 J	0.63 J
Semi-Volatiles 8270 SIM	ug/l	ug/l
1,4-Dioxane	1,170	1,240

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**	**04/22/24**		**04/23/24**		**04/24/24**		**04/25/24**		**04/26/24**	
Sample ID		**Field**	**Trip**	**Field**	**Trip**	**Field**	**Trip**	**Field**	**Trip**	**Field**	**Trip**
Total PFAS (all compounds)	ng/L	ND	NA	ND	NA	**0.37 J**	NA	ND	NA	ND	NA
Acetone	ug/L	ND	**1.4 J**	ND	**1.3 J**	ND	**1.1 J**	ND	ND	ND	---
Bromodichloromethane	ug/L	**0.24 J**	ND	**0.26 J**	ND	ND	ND	**0.26 J**	ND	**0.25 J**	---
Carbon disulfide	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Chloroform	ug/L	**3.10**	**0.99**	**2.40**	**0.81**	**0.37 J**	**0.83**	**2.40**	ND	**2.50**	---
Methylene chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
1,2,4-Trimethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
tert-Butyl alcohol (TBA)	ug/L	**0.57 J**	ND	ND	ND	ND	ND	ND	ND	ND	---
1,4-Dioxane	ug/L	----	NA	----	NA	ND	NA	---	**66 B**	---	NA
Glycols	mg/L	ND	NA	----	NA	----	NA	----	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.

ND - not detected (see Appendix for detection limits)

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

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

TABLE 9
WESTCHESTER COUNTY AIRPORT
Groundwater Level Measurements - April 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	4/22	NA	2.35	NA	12.25
DPWMW-3	4/25	435.02	4.94	430.08	14.00
FMW-2R	4/26	398.60	3.72	394.88	12.00
FMW-3	4/22	428.42	4.18	424.24	14.40
FMW-6	4/23	424.75	2.32	422.43	11.85
FMW-8	4/22	423.40	0.00	423.40	12.00
FMW-14	4/23	404.69	4.55	400.14	15.45
FMW-15	4/23	415.29	9.31	405.98	14.87
FMW-16	4/23	416.20	4.66	411.54	15.77
FMW-17	4/23	422.37	1.02	421.35	12.00
FMW-23 (BR)	4/26	423.72	0.00	423.72	43.00
FMW-24	4/26	394.21	2.26	391.95	9.00
FMW-25	4/22	375.35	4.92	370.43	16.00
FMW-26	4/22	404.79	5.02	399.77	16.20
FMW-31	4/26	428.37	9.08	419.29	21.50
FMW-35 (BR)	4/26	440.53	18.52	422.01	57.50
FMW-37	4/24	425.71	5.65	420.06	13.40
FMW-39	4/25	388.77	4.27	384.50	6.30
FMW-40	4/26	428.93	7.81	421.12	12.70
MW-3	4/24	409.54	10.10	399.44	17.50
MW-7S (BR)	4/24	409.16	7.20	401.96	25.00
MW-16	4/26	NA	3.58	NA	11.10
MW-43 (BR)	4/23	417.08	4.69	412.39	67.90
MW-44	4/23	417.66	6.13	411.53	18.00
MW-51 (BR)	4/22	421.83	4.61	417.22	52.00
MW-52 (BR)	4/23	414.60	11.67	402.93	72.00
MW-53 (BR)	4/26	423.48	4.56	418.92	96.00
MW-54 S	4/29	419.66	7.44	412.22	12.85
MW-54 D (BR)	4/29	425.14	11.98	413.16	80.00
MW-55 S	4/29	407.75	4.04	403.71	18.00
MW-55 D (BR)	4/29	411.68	10.96	400.72	50.80
MW-56 S	4/29	406.02	6.09	399.93	12.80
MW-56 D (BR)	4/29	387.55	5.96	381.59	83.90
MW-57 (BR)	4/22	401.44	5.09	396.35	81.70
MW-58 S	4/25	386.98	Dry	<365.48	21.50
MW-58 D	4/25	386.53	33.05	353.48	60.00
MW-59 S	4/26	387.12	5.50	381.62	15.00
MW-59 D (BR)	4/26	387.84	4.29	383.55	81.60
MW-60 (BR)	4/29	415.67	10.08	405.59	80.00
MW-61	4/26	426.27	1.02	425.25	11.33
MW-63	4/23	420.80	1.20	419.60	15.00
MW-64	4/23	418.77	1.45	417.32	15.00
XDDMW-10 (BR)	4/24	409.69	18.77	390.92	60.00
XDDMW-11 (BR)	4/24	409.19	17.84	391.35	40.00
Hangar E MW-1	4/24	396.36	9.52	386.84	15.92
Hangar E MW-4	4/24	396.53	9.85	386.68	15.80

(ft msl) - feet above mean sea level

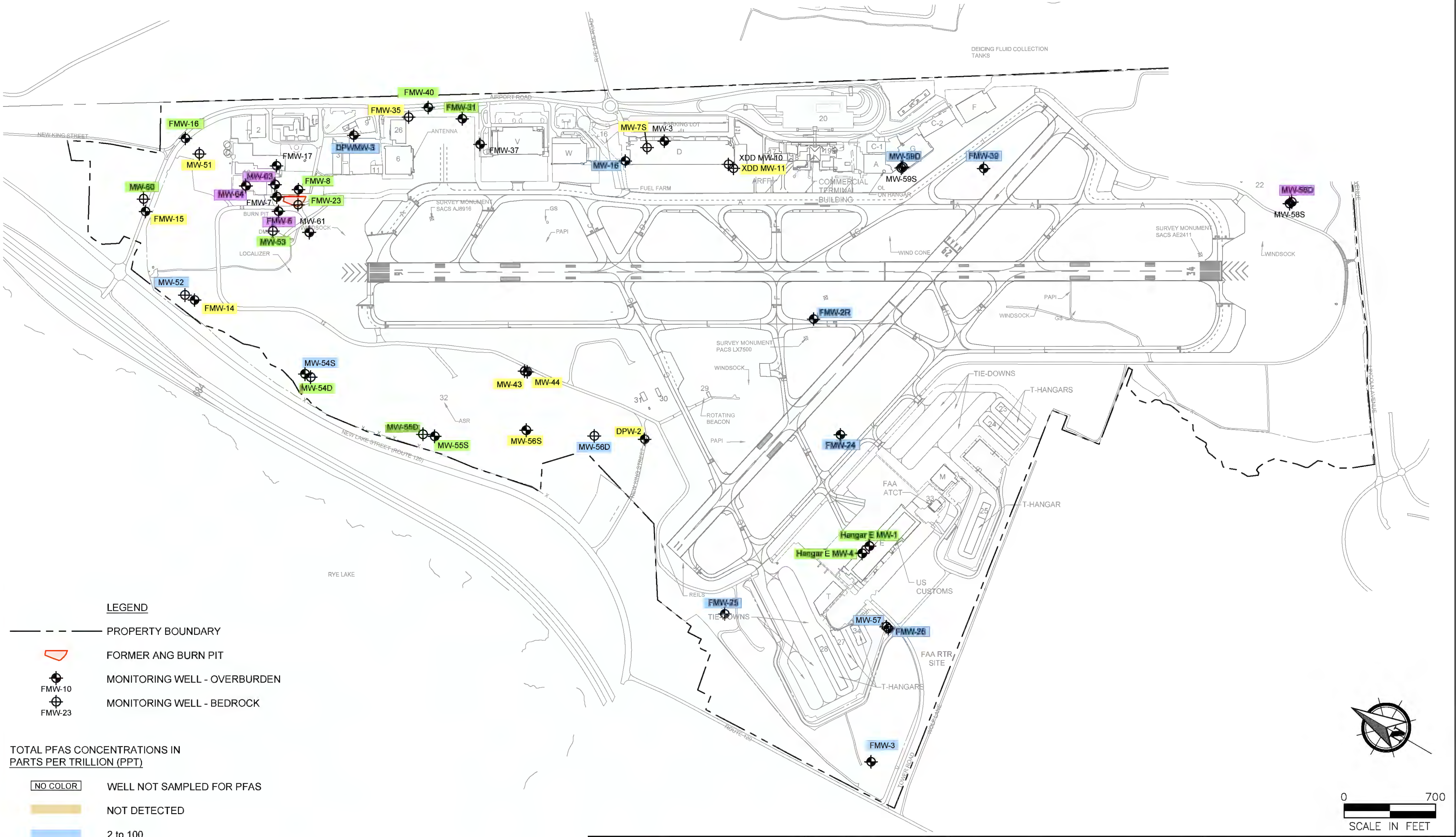
(ft btoc) - feet below top of casing

NA - Not Available

NM - Not Measured

Prepared by WSP USA

FIGURES



LEGEND

PROPERTY BOUNDARY

FORMER ANG BURN PIT

FMW-10 MONITORING WELL - OVERBURDEN

FMW-23 MONITORING WELL - BEDROCK

TOTAL PFAS CONCENTRATIONS IN PARTS PER TRILLION (PPT)

NO COLOR	WELL NOT SAMPLED FOR PFAS
🟫	NOT DETECTED
🟦	2 to 100
🟨	101 to 1,000
🟩	1,001 to 10,000
🟪	10,001 to maximum (28,177)

B

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

O:\DWG\Westchester County Airport\2024\F1_TotalPFAS-2404.dwg, Layout1, 7/18/2024 12:30:30 PM

wsp

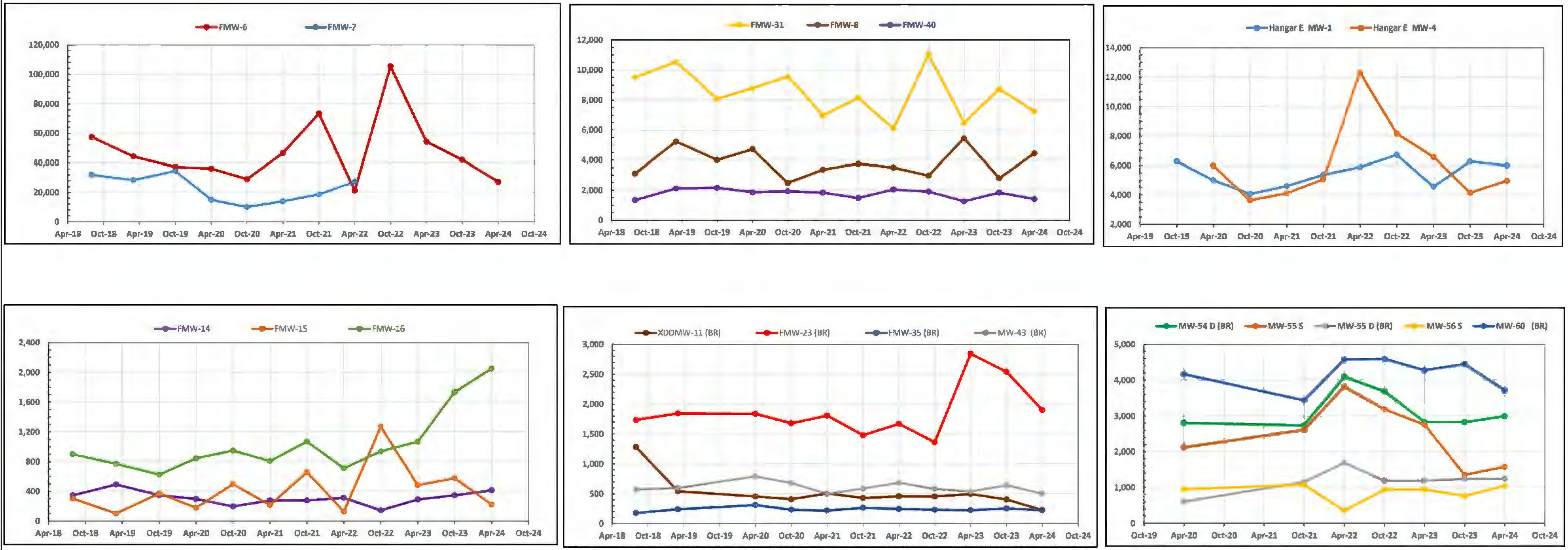
WSP USA, Inc.
500 Summit Lake Drive
Suite 450
Valhalla, New York 10595
(914) 747-1120

Drawn By:	RAC
Checked:	JB
Approved:	JB
DWG Date:	06/25/24

Westchester County Airport
White Plains, New York

TOTAL PFAS CONCENTRATIONS - APRIL 2024

FIGURE 1



LEGEND:

X-AXIS UNITS ARE MONTH AND YEAR

Y-AXIS UNITS ARE NANO-GRAMS PER LITER

wsp

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Drawn By:	RAC
Checked:	JB
-pproved:	JB
DWG Date:	07/18/24

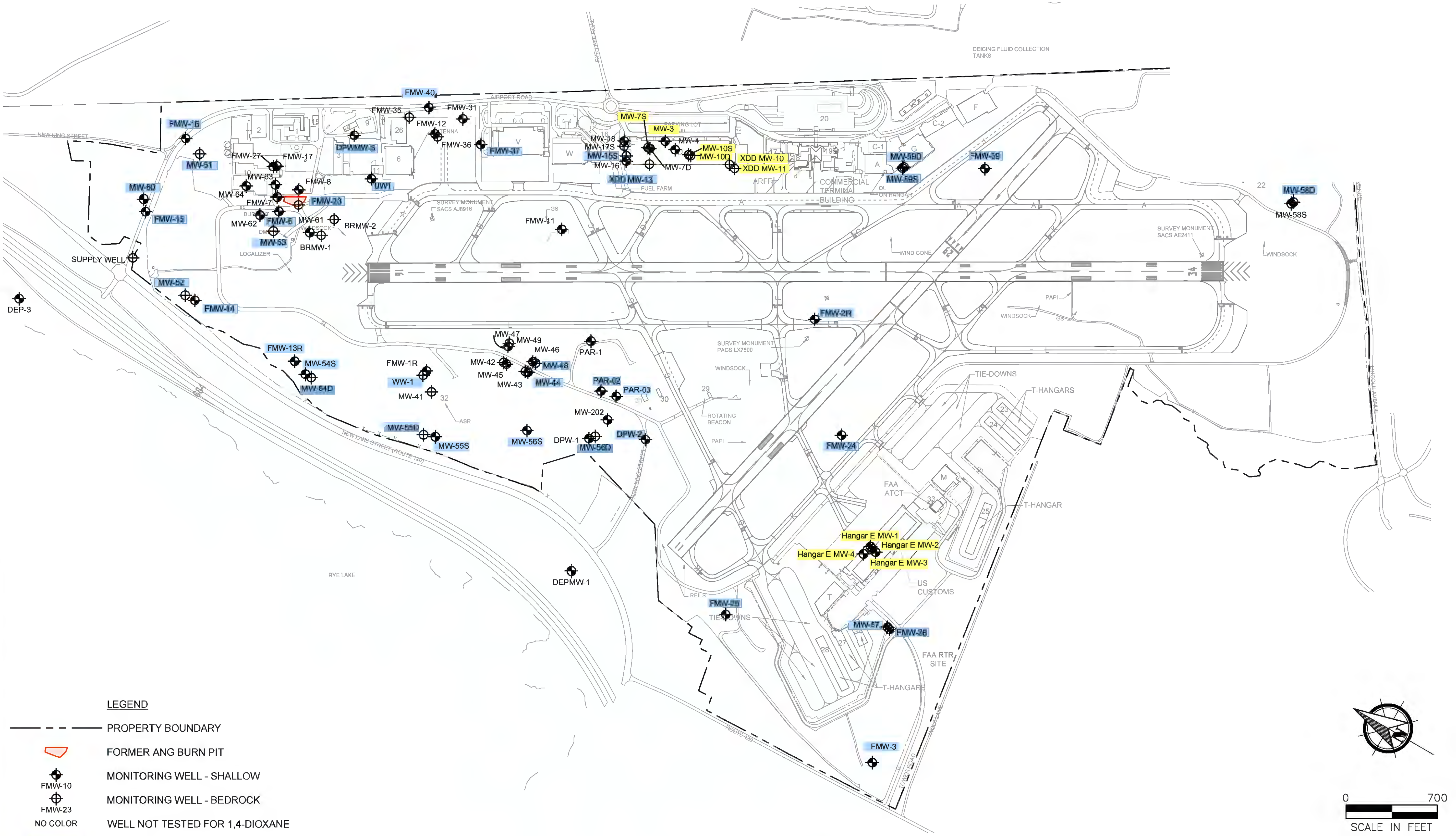
Westchester County Airport
White Plains, New York

TOTAL PFAS CONCENTRATIONS OVER TIME

FIGURE 2

B

O:\DWG\Westchester County Airport\2024\F2_TotalPFAS-Graphs2404.dwg, Layout1, 7/18/2024 12:30:39 PM



LEGEND

— — —	PROPERTY BOUNDARY
⏢	FORMER ANG BURN PIT
⊕ FMW-10	MONITORING WELL - SHALLOW
⊕ FMW-23	MONITORING WELL - BEDROCK
NO COLOR	WELL NOT TESTED FOR 1,4-DIOXANE
🟨	1,4-DIOXANE DETECTED
🟦	1,4-DIOXANE NOT DETECTED

B

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

O:\DWG\Westchester County Airport\2024\F3_1,4-Dioxane-2404.dwg, Layout1, 7/18/2024 12:30:56 PM

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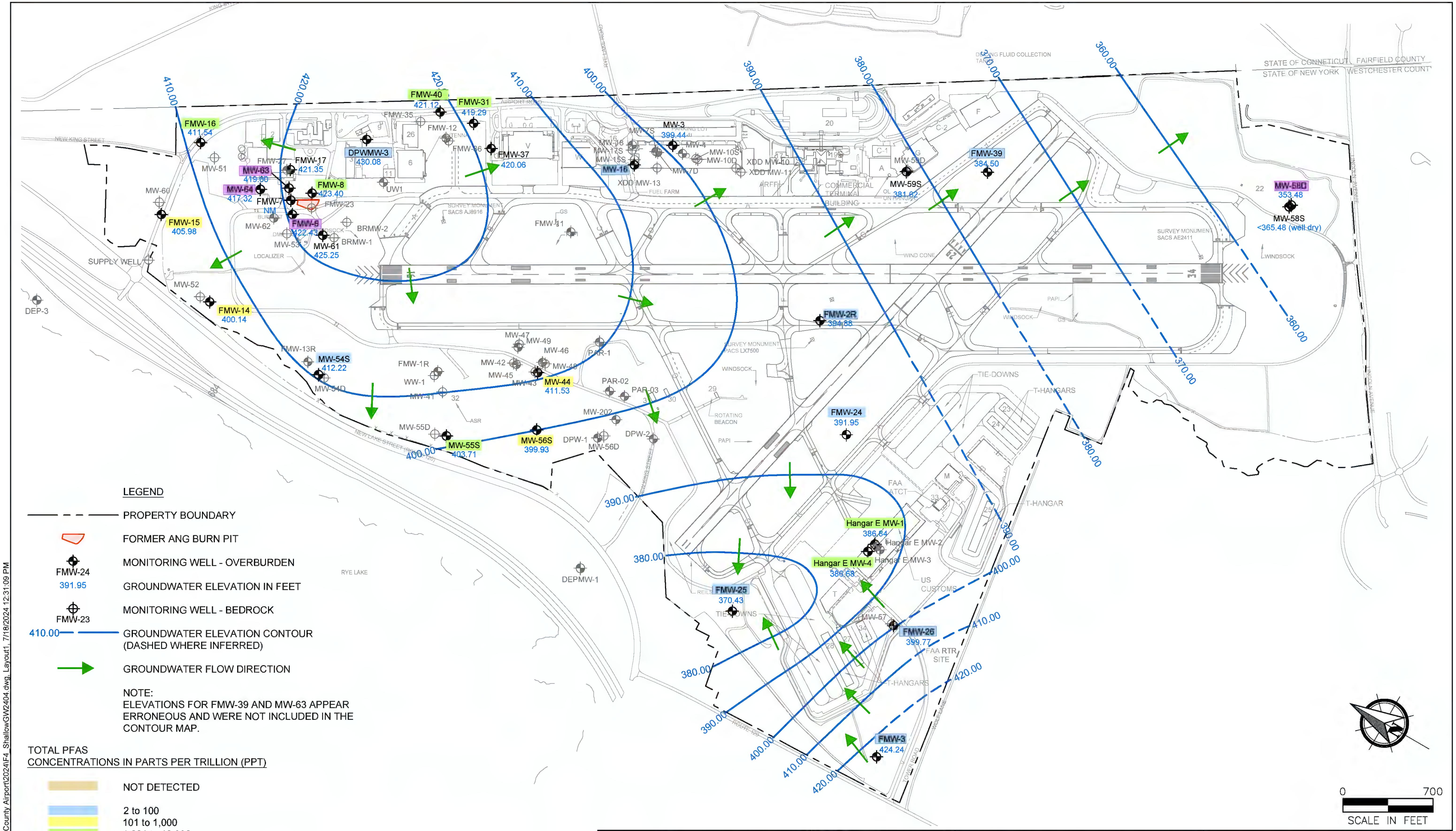
Drawn By:	RAC
Checked:	JB
Approved:	JB
DWG Date:	06/25/24

Westchester County Airport
White Plains, New York

WELLS SAMPLED FOR 1,4-DIOXANE
2018 - 2024

FIGURE 3



LEGEND

- PROPERTY BOUNDARY
- FORMER ANG BURN PIT
- MONITORING WELL - OVERBURDEN
- GROUNDWATER ELEVATION IN FEET
- MONITORING WELL - BEDROCK
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

FMW-24	MONITORING WELL - OVERBURDEN
391.95	GROUNDWATER ELEVATION IN FEET
FMW-23	MONITORING WELL - BEDROCK
410.00	GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

NOTE:
ELEVATIONS FOR FMW-39 AND MW-63 APPEAR ERRONEOUS AND WERE NOT INCLUDED IN THE CONTOUR MAP.

TOTAL PFAS
CONCENTRATIONS IN PARTS PER TRILLION (PPT)

▨	NOT DETECTED
🟦	2 to 100
🟨	101 to 1,000
🟩	1,001 to 10,000
🟪	10,001 to maximum (28,177)

B

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

O:\DWG\Westchester County Airport\2024\F4_ShallowGW2404.dwg, Layout1, 7/18/2024 12:31:09 PM

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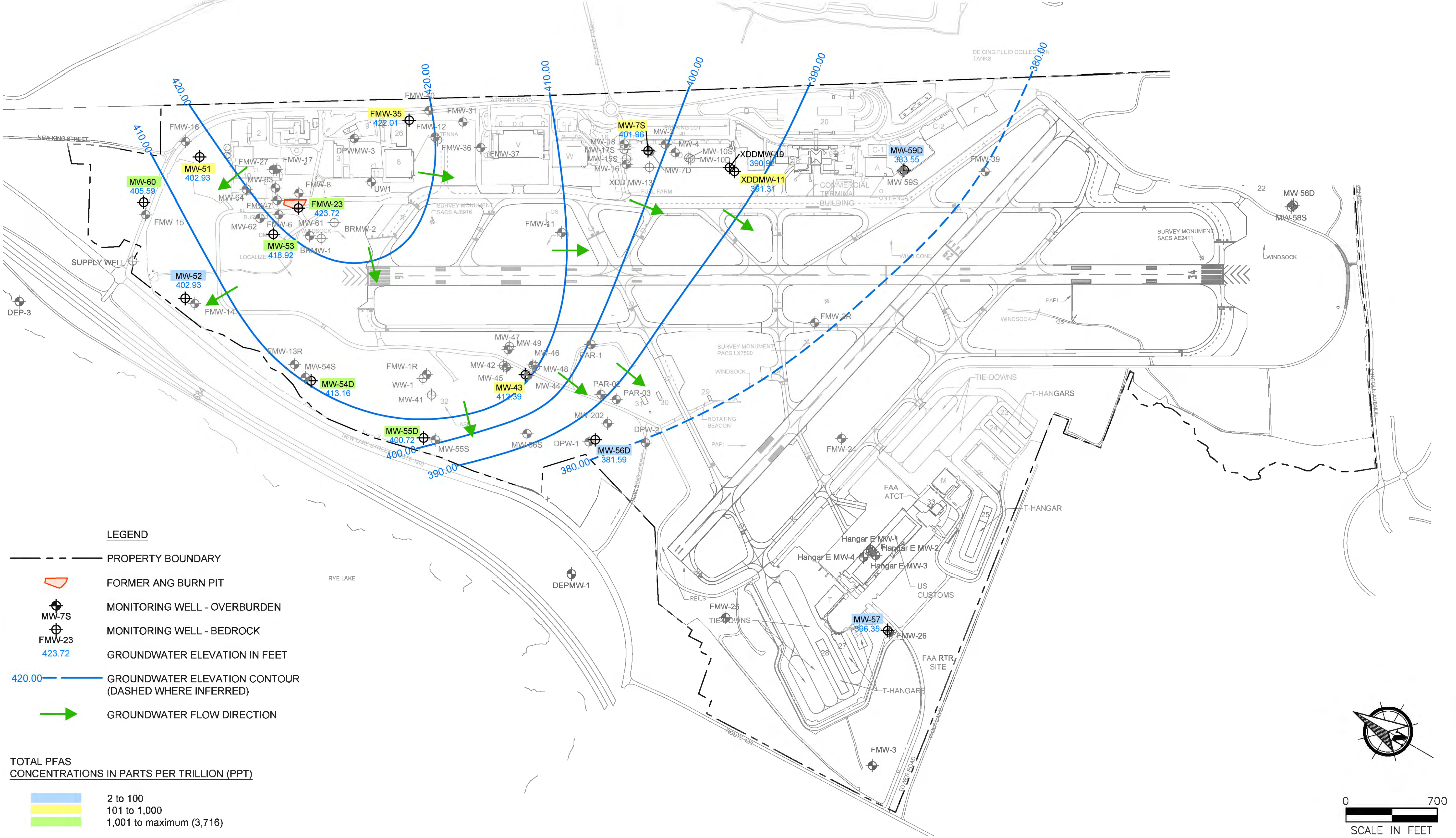
Drawn By:	RAC
Checked:	JB
Approved:	JB
DWG Date:	07/10/24

Westchester County Airport
White Plains, New York

SHALLOW AQUIFER GROUNDWATER CONTOUR MAP - APRIL 2024

FIGURE 4



LEGEND

― ― —	PROPERTY BOUNDARY
▱	FORMER ANG BURN PIT
⊕ MW-7S	MONITORING WELL - OVERBURDEN
⊕ FMW-23	MONITORING WELL - BEDROCK
423.72	GROUNDWATER ELEVATION IN FEET
420.00 ―	GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
→	GROUNDWATER FLOW DIRECTION

TOTAL PFAS
CONCENTRATIONS IN PARTS PER TRILLION (PPT)

🟦	2 to 100
🟨	101 to 1,000
🟩	1,001 to maximum (3,716)

B

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

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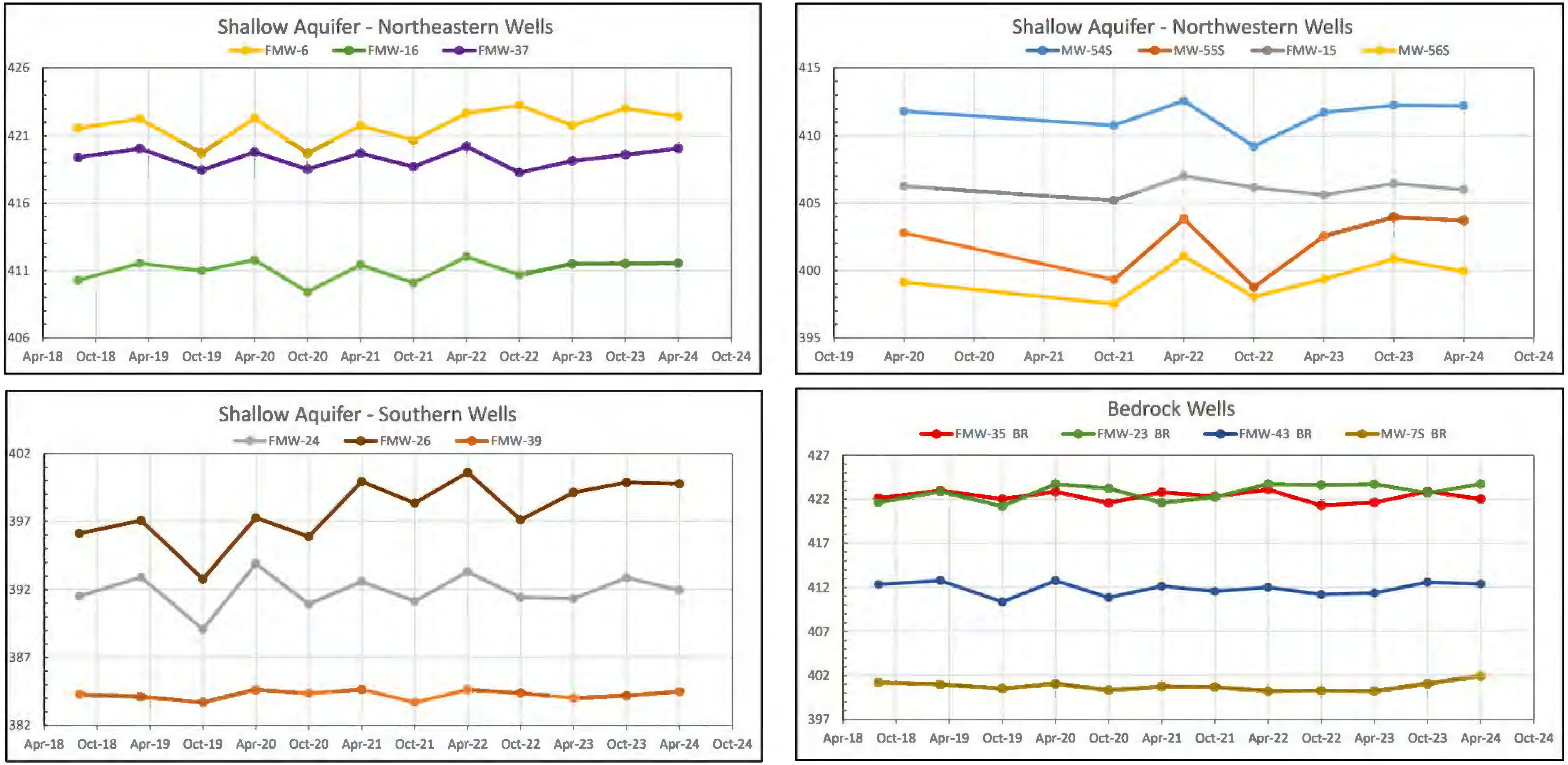
Drawn By:	RAC
Checked:	JB
Approved:	JB
DWG Date:	07/10/24

Westchester County Airport
White Plains, New York

BEDROCK AQUIFER GROUNDWATER CONTOUR MAP - APRIL 2024

FIGURE 5

O:\DWG\Westchester County Airport\2024\F5_BedrockGW2404.dwg, Layout1, 7/18/2024 12:31:18 PM



LEGEND:

X-AXIS UNITS ARE ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL

Y-AXIS UNITS ARE MONTH AND YEAR

wsp

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Checked:	JB
Approved:	JB
DWG Date:	07/18/24

Westchester County Airport
White Plains, New York

HISTORICAL WATER LEVEL ELEVATIONS

FIGURE 6

B

O:\DWG\Westchester County Airport\2024\F6_HistoricWL-Graphs2404.dwg, Layout1, 7/18/2024 12:31:27 PM

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: 05/01/2024
Client Project ID: 31402218.008 Westchester County Airport (WCA)
York Project (SDG) No.: 24D1465

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

Report Date: 05/01/2024
Client Project ID: 31402218.008 Westchester County Airport (WCA)
York Project (SDG) No.: 24D1465

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 April 23, 2024 and listed below. The project was identified as your project: **31402218.008 Westchester County Airport (WCA)**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24D1465-01	**DPW-2**	**Ground Water**	**04/22/2024**	**04/23/2024**
24D1465-02	**FMW-25**	**Ground Water**	**04/22/2024**	**04/23/2024**
24D1465-03	**FMW-3**	**Ground Water**	**04/22/2024**	**04/23/2024**
24D1465-04	**FMW-26**	**Ground Water**	**04/22/2024**	**04/23/2024**
24D1465-05	**MW-57**	**Ground Water**	**04/22/2024**	**04/23/2024**
24D1465-06	**MW-51**	**Ground Water**	**04/22/2024**	**04/23/2024**
24D1465-07	**FMW-8**	**Ground Water**	**04/22/2024**	**04/23/2024**
24D1465-08	**Field Blank**	**Water**	**04/22/2024**	**04/23/2024**
24D1465-09	**Trip Blank**	**Water**	**04/22/2024**	**04/23/2024**

General Notes for York Project (SDG) No.: 24D1465

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 **Date:** 05/01/2024

Cassie L. Mosher
Laboratory Manager

YORK

Sample Information

Client Sample ID: **DPW-2** **York Sample ID:** **24D1465-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:10 am	04/23/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 13:48	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 13:48	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 13:48	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 13:48	FO
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO

Sample Information

Client Sample ID: **DPW-2** **York Sample ID:** **24D1465-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:10 am	04/23/2024

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
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
67-64-1	Acetone	ND	ICVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 13:48	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 13:48	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 13:48	FO
75-71-8	Dichlorodifluoromethane	ND	ICVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 13:48	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 13:48	FO

Sample Information

Client Sample ID: **DPW-2** **York Sample ID:** **24D1465-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:10 am	04/23/2024

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
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 13:48	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 13:48	FO
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/29/2024 08:00	04/29/2024 13:48	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/29/2024 08:00	04/29/2024 13:48	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 13:48	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
108-88-3	**Toluene**	**6.5**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/29/2024 08:00	04/29/2024 13:48	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 13:48	FO

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **DPW-2**

York Sample ID: **24D1465-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:10 am	04/23/2024

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
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*88.7 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.8 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*			*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)**	**1.14**	J	ng/L	0.502	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**16.6**		ng/L	0.374	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**8.00**	PF-CCV-L	ng/L	0.759	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**6.07**		ng/L	0.727	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**7.47**		ng/L	0.449	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**5.42**		ng/L	0.877	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**9.12**		ng/L	0.556	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
335-76-2	**Perfluorodecanoic acid (PFDA)**	**0.959**	J	ng/L	0.802	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.21	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.941	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.791	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.738	2.14	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.845	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.10	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**33.3**		ng/L	0.246	4.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.941	2.14	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.973	2.04	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ

Sample Information

Client Sample ID: **DPW-2**

York Sample ID: **24D1465-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:10 am	04/23/2024

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	1.41	2.06	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**6.02**	J	ng/L	1.13	8.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.19	8.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**10.4**		ng/L	0.353	8.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.535	3.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 15:59	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.29	4.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 15:59	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.267	4.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 15:59	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.396	4.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 15:59	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.812	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.91	8.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.45	8.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.48	8.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.748	8.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
919005-14-4	ADONA	ND		ng/L	0.567	8.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.994	2.07	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 15:59	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.919	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 15:59	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.17	5.35	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 15:59	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.84	26.7	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 15:59	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.1	26.7	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 15:59	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.27	21.4	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 15:59	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.69	2.14	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 15:59	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.27	21.4	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 15:59	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.92	2.14	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 15:59	ESJ

Sample Information

Client Sample ID: **DPW-2** **York Sample ID:** **24D1465-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:10 am	04/23/2024

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**						
	Surrogate: M3PFBS	*92.7 %*			*25-150*						
	Surrogate: M5PFHxA	*93.6 %*			*25-150*						
	Surrogate: M4PFHpA	*129 %*			*25-150*						
	Surrogate: M3PFHxS	*92.9 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*79.1 %*			*25-150*						
	Surrogate: M6PFDA	*83.0 %*			*25-150*						
	Surrogate: M7PFUdA	*78.7 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*56.2 %*			*25-150*						
	Surrogate: M2PFTeDA	*62.3 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*11.0 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*108 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*91.7 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*81.9 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*68.4 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*67.1 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*315 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*93.3 %*			*25-200*						
	Surrogate: M9PFNA	*79.4 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*500 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*63.3 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*51.9 %*			*25-150*						
	Surrogate: M3HFPO-DA	*92.8 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*45.7 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*48.0 %*			*25-150*						

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **24D1465-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:45 am	04/23/2024

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **24D1465-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:45 am	04/23/2024

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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:17	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:17	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:17	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:17	FO
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
67-64-1	Acetone	ND	ICVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **24D1465-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:45 am	04/23/2024

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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:17	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:17	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:17	FO
75-71-8	Dichlorodifluoromethane	ND	ICVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:17	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:17	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:17	FO

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **24D1465-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:45 am	04/23/2024

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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:17	FO
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/29/2024 08:00	04/29/2024 14:17	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/29/2024 08:00	04/29/2024 14:17	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:17	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:17	FO

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*89.2 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.4 %*	*81-117*

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **24D1465-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:45 am	04/23/2024

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*	*107 %*			*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)**	**1.18**	J	ng/L	0.477	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**2.79**		ng/L	0.355	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**1.63**	PF-CCV -L, J	ng/L	0.720	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**5.80**		ng/L	0.690	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**10.8**		ng/L	0.426	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**2.08**		ng/L	0.832	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**1.98**	J	ng/L	0.528	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.761	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.15	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.893	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.751	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.700	2.03	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.801	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.04	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**2.99**	J	ng/L	0.233	4.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.893	2.03	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.923	1.94	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.34	1.96	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.08	7.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **24D1465-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:45 am	04/23/2024

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
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.08	7.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.335	8.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.507	3.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 16:15	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.17	4.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 16:15	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.254	4.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 16:15	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.375	4.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 16:15	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.771	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.82	7.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.28	8.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.40	7.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.710	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
919005-14-4	ADONA	ND		ng/L	0.538	7.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.943	1.97	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:15	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.872	1.95	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:15	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.06	5.07	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:15	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.44	25.4	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:15	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.61	25.4	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:15	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.05	20.3	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:15	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.60	2.03	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:15	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.05	20.3	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:15	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.83	2.03	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:15	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.5 %*	*25-150*
Surrogate: M5PFHxA	*99.8 %*	*25-150*
Surrogate: M4PFHpA	*141 %*	*25-150*

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **24D1465-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 10:45 am	04/23/2024

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: M3PFHxS	*95.2 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.6 %*			*25-150*						
	Surrogate: M6PFDA	*87.8 %*			*25-150*						
	Surrogate: M7PFUdA	*75.9 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*40.9 %*			*25-150*						
	Surrogate: M2PFTeDA	*16.5 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*7.83 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*103 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*81.9 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*65.4 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*57.7 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*49.0 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*365 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*94.2 %*			*25-200*						
	Surrogate: M9PFNA	*96.2 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*549 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*41.3 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*24.8 %*	PFSu-L		*25-150*						
	Surrogate: M3HFPO-DA	*94.9 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*15.7 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*23.6 %*	PFSu-L		*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:	04/25/2024 11:16	04/25/2024 12:58	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/25/2024 11:16	04/25/2024 12:58	GXB
	Surrogate Recoveries	**Result**			**Acceptance Range**					
110-63-4	*Surrogate: 1,4-Butanediol*				*30-130*					

Sample Information

Client Sample ID: **FMW-3** **York Sample ID:** **24D1465-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 11:25 am	04/23/2024

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)**	**2.42**		ng/L	0.511	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**4.90**		ng/L	0.381	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**3.21**	PF-CCV-L	ng/L	0.772	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**11.7**		ng/L	0.740	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**5.85**		ng/L	0.457	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**27.6**		ng/L	0.892	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**4.94**		ng/L	0.566	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
335-76-2	**Perfluorodecanoic acid (PFDA)**	**1.05**	J	ng/L	0.816	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**4.86**		ng/L	1.23	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.957	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.805	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.751	2.18	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.859	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.12	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**5.65**		ng/L	0.250	4.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.957	2.18	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.990	2.08	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.44	2.10	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.15	8.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.23	8.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.359	8.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.544	3.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 16:31	ESJ

Sample Information

Client Sample ID: **FMW-3**

York Sample ID: **24D1465-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 11:25 am	04/23/2024

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
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.33	4.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 16:31	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.272	4.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 16:31	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.403	4.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 16:31	ESJ
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**1.46**	J	ng/L	0.827	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.95	8.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.51	8.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.50	8.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.761	8.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
919005-14-4	ADONA	ND		ng/L	0.577	8.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.01	2.11	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:31	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.936	2.09	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:31	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.21	5.44	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:31	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.97	27.2	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:31	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.3	27.2	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:31	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.34	21.8	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:31	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.72	2.18	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:31	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.34	21.8	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:31	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.96	2.18	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:31	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*79.9 %*	*25-150*
Surrogate: M5PFHxA	*90.3 %*	*25-150*
Surrogate: M4PFHpA	*109 %*	*25-150*
Surrogate: M3PFHxS	*89.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*86.4 %*	*25-150*
Surrogate: M6PFDA	*86.3 %*	*25-150*
Surrogate: M7PFUdA	*62.8 %*	*25-150*

Sample Information

Client Sample ID: **FMW-3**

York Sample ID: **24D1465-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 11:25 am	04/23/2024

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: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*42.7 %*			*25-150*						
	Surrogate: M2PFTeDA	*39.8 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.57 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*106 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*74.2 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*81.5 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*54.7 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*49.1 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*493 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*102 %*			*25-200*						
	Surrogate: M9PFNA	*86.6 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*519 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*49.1 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*41.7 %*			*25-150*						
	Surrogate: M3HFPO-DA	*87.9 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*33.1 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*37.6 %*			*25-150*						

Sample Information

Client Sample ID: **FMW-26**

York Sample ID: **24D1465-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 12:00 pm	04/23/2024

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)**	**1.00**	J	ng/L	0.542	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**2.45**		ng/L	0.404	2.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**1.55**	PF-CCV-L, J	ng/L	0.819	2.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**2.14**		ng/L	0.785	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ

Sample Information

Client Sample ID: **FMW-26**

York Sample ID: **24D1465-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 12:00 pm	04/23/2024

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
335-67-1	**Perfluorooctanoic acid (PFOA)**	**6.67**		ng/L	0.485	2.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**12.9**		ng/L	0.946	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**1.10**	J	ng/L	0.600	2.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.866	2.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.30	2.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.02	2.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.854	2.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.796	2.31	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.912	2.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.19	2.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**2.82**	J	ng/L	0.265	4.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.02	2.31	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.05	2.20	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.52	2.23	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.22	8.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.37	8.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.381	9.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.577	4.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 16:47	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.47	4.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 16:47	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.289	4.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 16:47	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.427	4.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 16:47	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.877	2.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.07	8.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ

Sample Information

Client Sample ID: **FMW-26**

York Sample ID: **24D1465-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 12:00 pm	04/23/2024

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
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.73	9.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.59	8.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.808	8.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
919005-14-4	ADONA	ND		ng/L	0.612	8.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.07	2.24	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:47	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.993	2.22	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 16:47	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.34	5.77	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:47	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	8.46	28.9	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:47	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.9	28.9	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:47	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.61	23.1	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:47	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.82	2.31	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:47	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.61	23.1	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:47	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	2.08	2.31	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 16:47	ESJ

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*107 %*		*25-150*
Surrogate: M5PFHxA	*99.1 %*		*25-150*
Surrogate: M4PFHpA	*128 %*		*25-150*
Surrogate: M3PFHxS	*104 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*89.7 %*		*25-150*
Surrogate: M6PFDA	*91.5 %*		*25-150*
Surrogate: M7PFUdA	*91.1 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*61.4 %*		*25-150*
Surrogate: M2PFTeDA	*60.2 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*7.93 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*108 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*85.5 %*		*25-150*

Sample Information

Client Sample ID: **FMW-26** **York Sample ID:** **24D1465-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 12:00 pm	04/23/2024

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: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*88.2 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*73.7 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*68.9 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*201 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*94.6 %*			*25-200*						
	Surrogate: M9PFNA	*97.8 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*230 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*64.5 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*53.9 %*			*25-150*						
	Surrogate: M3HFPO-DA	*99.7 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*57.2 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*57.4 %*			*25-150*						

Sample Information

Client Sample ID: **MW-57** **York Sample ID:** **24D1465-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 12:45 pm	04/23/2024

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)**	**0.673**	J	ng/L	0.511	1.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**0.572**	J	ng/L	0.380	2.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CCV-L	ng/L	0.772	2.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**1.62**	J	ng/L	0.739	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**2.71**		ng/L	0.456	2.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**3.19**		ng/L	0.891	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.565	2.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.815	2.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ

Sample Information

Client Sample ID:	**MW-57**		**York Sample ID:**	**24D1465-05**
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 12:45 pm	04/23/2024

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
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.23	2.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.956	2.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.804	2.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.750	2.17	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.859	2.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.12	2.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**0.720**	J	ng/L	0.250	4.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.956	2.17	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.989	2.08	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.43	2.10	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.15	8.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.23	8.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.359	8.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.543	3.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 17:03	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.33	4.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 17:03	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.272	4.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 17:03	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.402	4.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 17:03	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.826	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.95	8.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.51	8.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.50	8.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.761	8.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
919005-14-4	ADONA	ND		ng/L	0.576	8.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ

Sample Information

Client Sample ID: MW-57 **York Sample ID:** 24D1465-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 12:45 pm	04/23/2024

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
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.01	2.11	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:03	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.935	2.09	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:03	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.21	5.43	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:03	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.97	27.2	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:03	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.3	27.2	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:03	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.34	21.7	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:03	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.72	2.17	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:03	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.34	21.7	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:03	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.96	2.17	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:03	ESJ

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*84.0 %*		*25-150*
Surrogate: M5PFHxA	*81.5 %*		*25-150*
Surrogate: M4PFHpA	*120 %*		*25-150*
Surrogate: M3PFHxS	*92.5 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*77.6 %*		*25-150*
Surrogate: M6PFDA	*91.6 %*		*25-150*
Surrogate: M7PFUdA	*62.1 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*33.7 %*		*25-150*
Surrogate: M2PFTeDA	*21.5 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*0.778 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*93.6 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*27.5 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*70.9 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*51.1 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*41.0 %*		*25-150*
Surrogate: M2-6:2 FTS	*167 %*		*25-200*
Surrogate: M2-8:2 FTS	*84.6 %*		*25-200*
Surrogate: M9PFNA	*85.0 %*		*25-150*
Surrogate: M2-4:2 FTS	*171 %*	PFSu-H	*25-150*

Sample Information

Client Sample ID: **MW-57** **York Sample ID:** **24D1465-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 12:45 pm	04/23/2024

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: d-N-MeFOSA	*58.3 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*43.5 %*			*25-150*						
	Surrogate: M3HFPO-DA	*77.7 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*22.7 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*30.1 %*			*25-150*						

Sample Information

Client Sample ID: **MW-51** **York Sample ID:** **24D1465-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 2:00 pm	04/23/2024

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)**	**7.00**		ng/L	0.500	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**29.4**		ng/L	0.373	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**14.0**	PF-CCV -L	ng/L	0.756	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**88.2**		ng/L	0.724	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**30.9**		ng/L	0.447	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**46.9**		ng/L	0.873	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**6.99**		ng/L	0.553	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
335-76-2	**Perfluorodecanoic acid (PFDA)**	**1.53**	J	ng/L	0.798	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.20	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.937	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.788	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.734	2.13	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.841	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ

Sample Information

Client Sample ID: **MW-51** **York Sample ID:** **24D1465-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 2:00 pm	04/23/2024

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
2991-50-6	N-EtFOSAA	ND		ng/L	1.10	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**37.0**		ng/L	0.245	4.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.937	2.13	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**1.98**	J	ng/L	0.969	2.03	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.41	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**25.9**		ng/L	1.13	8.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
39108-34-4	**1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**5.43**	J	ng/L	2.18	8.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.351	8.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.532	3.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 17:19	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.28	4.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 17:19	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.266	4.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 17:19	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.394	4.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 17:19	ESJ
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**5.67**		ng/L	0.809	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.91	7.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.44	8.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.47	8.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.745	7.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
919005-14-4	ADONA	ND		ng/L	0.564	8.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.990	2.06	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:19	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.915	2.04	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 17:19	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.16	5.32	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:19	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.80	26.6	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:19	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.1	26.6	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:19	ESJ

Sample Information

Client Sample ID: **MW-51**

York Sample ID: **24D1465-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 2:00 pm	04/23/2024

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
24448-09-7	* N-MeFOSE	ND		ng/L	4.25	21.3	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:19	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.68	2.13	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:19	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.25	21.3	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:19	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.92	2.13	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 17:19	ESJ

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*92.4 %*		*25-150*
Surrogate: M5PFHxA	*94.1 %*		*25-150*
Surrogate: M4PFHpA	*133 %*		*25-150*
Surrogate: M3PFHxS	*104 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*85.4 %*		*25-150*
Surrogate: M6PFDA	*84.5 %*		*25-150*
Surrogate: M7PFUdA	*54.0 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*26.7 %*		*25-150*
Surrogate: M2PFTeDA	*18.8 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.23 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*103 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*31.2 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*76.4 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*55.6 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*41.2 %*		*25-150*
Surrogate: M2-6:2 FTS	*268 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*86.3 %*		*25-200*
Surrogate: M9PFNA	*87.5 %*		*25-150*
Surrogate: M2-4:2 FTS	*367 %*	PFSu-H	*25-150*
Surrogate: d-N-MeFOSA	*67.9 %*		*25-150*
Surrogate: d-N-EtFOSA	*58.9 %*		*25-150*
Surrogate: M3HFPO-DA	*92.0 %*		*25-150*
Surrogate: d9-N-EtFOSE	*16.0 %*	PFSu-L	*25-150*
Surrogate: d7-N-MeFOSE	*27.4 %*		*25-150*

Sample Information

Client Sample ID: **FMW-8** **York Sample ID:** **24D1465-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 3:00 pm	04/23/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:45	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:45	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:45	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:45	FO
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO

Sample Information

Client Sample ID: FMW-8 **York Sample ID:** 24D1465-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 3:00 pm	04/23/2024

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
67-64-1	Acetone	ND	ICVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:45	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
156-59-2	**cis-1,2-Dichloroethylene**	**0.73**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/29/2024 08:00	04/29/2024 14:45	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:45	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:45	FO
75-71-8	Dichlorodifluoromethane	ND	ICVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:45	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:45	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO

Sample Information

Client Sample ID: **FMW-8** | **York Sample ID:** **24D1465-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 3:00 pm	04/23/2024

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
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:45	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:45	FO
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/29/2024 08:00	04/29/2024 14:45	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/29/2024 08:00	04/29/2024 14:45	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 14:45	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO
75-01-4	**Vinyl Chloride**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/29/2024 08:00	04/29/2024 14:45	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 14:45	FO

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*90.5 %*	*69-130*

Sample Information

Client Sample ID: **FMW-8**

York Sample ID: **24D1465-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 3:00 pm	04/23/2024

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
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.7 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*			*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)**	**52.9**		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**182**		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**71.5**	PF-CCV -L	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**785**	PF-CCV -L	ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**294**		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**2510**	PF-CCV -L	ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**181**		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
2355-31-9	N-MeFOSAA	ND	PF-CCV -L	ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
2991-50-6	N-EtFOSAA	ND	PF-CCV -L	ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**204**		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**39.7**		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ

Sample Information

Client Sample ID: **FMW-8** **York Sample ID:** **24D1465-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 3:00 pm	04/23/2024

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
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**45.7**	J	ng/L	10.6	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
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	04/27/2024 10:10	05/01/2024 19:00	ESJ
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	04/27/2024 10:10	05/01/2024 19:00	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	05/01/2024 19:00	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	05/01/2024 19:00	ESJ
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	04/27/2024 10:10	05/01/2024 19:00	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	05/01/2024 19:00	ESJ
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**81.2**		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
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	04/27/2024 10:10	05/01/2024 19:00	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-LCS-L	ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	05/01/2024 19:00	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	05/01/2024 19:00	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	05/01/2024 19:00	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	05/01/2024 19:00	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	05/01/2024 19:00	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	05/01/2024 19:00	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	05/01/2024 19:00	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	05/01/2024 19:00	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	05/01/2024 19:00	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*108 %*	*25-150*

Sample Information

Client Sample ID: **FMW-8** **York Sample ID:** **24D1465-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Ground Water	April 22, 2024 3:00 pm	04/23/2024

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: M5PFHxA	*102 %*			*25-150*						
	Surrogate: M4PFHpA	*140 %*			*25-150*						
	Surrogate: M3PFHxS	*106 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*90.7 %*			*25-150*						
	Surrogate: M6PFDA	*82.4 %*			*25-150*						
	Surrogate: M7PFUdA	*53.3 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*24.3 %*	PFSu-L		*25-150*						
	Surrogate: M2PFTeDA	*13.1 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*9.05 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*108 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*91.3 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*84.2 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*53.0 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*38.7 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*221 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*79.8 %*			*25-200*						
	Surrogate: M9PFNA	*90.7 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*210 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*32.7 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*19.8 %*	PFSu-L		*25-150*						
	Surrogate: M3HFPO-DA	*108 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*11.2 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*17.3 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1465-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Water	April 22, 2024 3:20 pm	04/23/2024

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1465-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Water	April 22, 2024 3:20 pm	04/23/2024

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	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-64-1	Acetone	ND	ICVE	ug/L	1.0	2.0	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1465-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Water	April 22, 2024 3:20 pm	04/23/2024

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	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-27-4	**Bromodichloromethane**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-66-3	**Chloroform**	**3.1**		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND	ICVE	ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D	04/29/2024 08:00	04/29/2024 15:14	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1465-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Water	April 22, 2024 3:20 pm	04/23/2024

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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 15:14	FO
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/29/2024 08:00	04/29/2024 15:14	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/29/2024 08:00	04/29/2024 15:14	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
75-65-0	**tert-Butyl alcohol (TBA)**	**0.57**	J	ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0	04/29/2024 08:00	04/29/2024 15:14	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 15:14	FO

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*92.2 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.3 %*	*81-117*

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1465-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Water	April 22, 2024 3:20 pm	04/23/2024

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*	*107 %*			*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	04/27/2024 10:10	04/29/2024 18:56	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.323	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CCV-L	ng/L	0.655	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.627	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.387	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.756	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.480	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.692	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.04	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.812	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.682	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.636	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.729	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	0.950	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.212	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.812	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.839	1.76	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.22	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	0.977	7.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1465-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Water	April 22, 2024 3:20 pm	04/23/2024

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
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	04/27/2024 10:10	04/29/2024 18:56	ESJ
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	04/27/2024 10:10	04/29/2024 18:56	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.461	3.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 18:56	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	1.97	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 18:56	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.231	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 18:56	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.341	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/27/2024 10:10	04/29/2024 18:56	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.701	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
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	04/27/2024 10:10	04/29/2024 18:56	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.98	7.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.27	6.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.646	6.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
919005-14-4	ADONA	ND		ng/L	0.489	6.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.858	1.79	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 18:56	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.793	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/27/2024 10:10	04/29/2024 18:56	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.87	4.61	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 18:56	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.76	23.1	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 18:56	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.73	23.1	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 18:56	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.68	18.4	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 18:56	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.46	1.84	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 18:56	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.68	18.4	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 18:56	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.66	1.84	1	EPA 1633 Draft 3 Certifications:	04/27/2024 10:10	04/29/2024 18:56	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*76.5 %*	*25-150*
Surrogate: M5PFHxA	*72.8 %*	*25-150*
Surrogate: M4PFHpA	*138 %*	*25-150*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1465-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Water	April 22, 2024 3:20 pm	04/23/2024

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: M3PFHxS	*102 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*85.6 %*			*25-150*						
	Surrogate: M6PFDA	*97.3 %*			*25-150*						
	Surrogate: M7PFUdA	*89.4 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*54.8 %*			*25-150*						
	Surrogate: M2PFTeDA	*49.6 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.86 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*90.5 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*17.3 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*84.2 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*66.1 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*63.5 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*188 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*97.2 %*			*25-200*						
	Surrogate: M9PFNA	*104 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*153 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*73.6 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*55.8 %*			*25-150*						
	Surrogate: M3HFPO-DA	*79.5 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*37.9 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*49.3 %*			*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:	04/25/2024 11:16	04/25/2024 13:13	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/25/2024 11:16	04/25/2024 13:13	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:** **24D1465-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Water	April 22, 2024 3:00 pm	04/23/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 12:22	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 12:22	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 12:22	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 12:22	FO
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **24D1465-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Water	April 22, 2024 3:00 pm	04/23/2024

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
67-64-1	**Acetone**	**1.4**	ICVE, J	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/29/2024 08:00	04/29/2024 12:22	FO
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 12:22	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
67-66-3	**Chloroform**	**0.99**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/29/2024 08:00	04/29/2024 12:22	FO
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 12:22	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 12:22	FO
75-71-8	Dichlorodifluoromethane	ND	ICVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 12:22	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 12:22	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **24D1465-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Water	April 22, 2024 3:00 pm	04/23/2024

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
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 12:22	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 12:22	FO
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/29/2024 08:00	04/29/2024 12:22	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/29/2024 08:00	04/29/2024 12:22	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/29/2024 08:00	04/29/2024 12:22	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/29/2024 08:00	04/29/2024 12:22	FO

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*88.1 %*	*69-130*

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **24D1465-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1465	31402218.008 Westchester County Airport (WCA)	Water	April 22, 2024 3:00 pm	04/23/2024

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
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.8 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*			*79-122*						

Analytical Batch Summary

Batch ID: BD41958 **Preparation Method:** Preparation for GC Analysis **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
24D1465-02	FMW-25	04/25/24
24D1465-08	Field Blank	04/25/24
BD41958-BLK1	Blank	04/25/24
BD41958-DUP1	Duplicate	04/25/24

Batch ID: BD42075 **Preparation Method:** EPA 1633 Prep **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
24D1465-01	DPW-2	04/27/24
24D1465-02	FMW-25	04/27/24
24D1465-03	FMW-3	04/27/24
24D1465-04	FMW-26	04/27/24
24D1465-05	MW-57	04/27/24
24D1465-06	MW-51	04/27/24
24D1465-07	FMW-8	04/27/24
24D1465-08	Field Blank	04/27/24
BD42075-BLK1	Blank	04/27/24
BD42075-BS1	LCS	04/27/24
BD42075-BS2	LCS	04/27/24
BD42075-DUP1	Duplicate	04/27/24

Batch ID: BD42153 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24D1465-01	DPW-2	04/29/24
24D1465-02	FMW-25	04/29/24
24D1465-07	FMW-8	04/29/24
24D1465-08	Field Blank	04/29/24
24D1465-09	Trip Blank	04/29/24
BD42153-BLK1	Blank	04/29/24
BD42153-BS1	LCS	04/29/24

Batch ID: BE40039 **Preparation Method:** EPA 1633 Prep **Prepared By:** KFH

YORK Sample ID	Client Sample ID	Preparation Date
24D1465-07RE1	FMW-8	04/27/24
BE40039-BLK1	Blank	05/01/24
BE40039-BS1	LCS	05/01/24

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 BD42153 - EPA 5030B											
Blank (BD42153-BLK1)							Prepared & Analyzed: 04/29/2024				
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BD42153 - EPA 5030B

Blank (BD42153-BLK1) Prepared & Analyzed: 04/29/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.80*		*"*	*10.0*		*88.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.96*		*"*	*10.0*		*99.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				

LCS (BD42153-BS1) Prepared & Analyzed: 04/29/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		100	82-126				
1,1,1-Trichloroethane	11		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	12		"	10.0		116	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		125	54-165				
1,1,2-Trichloroethane	10		"	10.0		100	82-123				
1,1-Dichloroethane	11		"	10.0		110	82-129				
1,1-Dichloroethylene	12		"	10.0		117	68-138				
1,2,3-Trichlorobenzene	10		"	10.0		103	40-130				
1,2,3-Trichloropropane	9.9		"	10.0		99.3	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		104	65-137				
1,2,4-Trimethylbenzene	12		"	10.0		119	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		104	45-147				
1,2-Dibromoethane	10		"	10.0		101	83-124				
1,2-Dichlorobenzene	11		"	10.0		111	79-123				
1,2-Dichloroethane	10		"	10.0		100	73-132				
1,2-Dichloropropane	11		"	10.0		110	78-126				
1,3,5-Trimethylbenzene	12		"	10.0		118	80-131				
1,3-Dichlorobenzene	11		"	10.0		111	86-130				
1,4-Dichlorobenzene	11		"	10.0		110	85-130				
1,4-Dioxane	220		"	210		104	10-349				
2-Butanone	10		"	10.0		100	49-152				
2-Hexanone	9.0		"	10.0		90.5	51-146				
4-Methyl-2-pentanone	10		"	10.0		99.8	57-145				
Acetone	6.3		"	10.0		63.0	14-150				
Acrolein	11		"	10.0		109	10-153				
Acrylonitrile	11		"	10.0		107	51-150				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BD42153 - EPA 5030B

LCS (BD42153-BS1) Prepared & Analyzed: 04/29/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Benzene	11		ug/L	10.0		115	85-126				
Bromochloromethane	11		"	10.0		108	77-128				
Bromodichloromethane	10		"	10.0		104	79-128				
Bromoform	9.2		"	10.0		92.5	78-133				
Bromomethane	9.3		"	10.0		93.0	43-168				
Carbon disulfide	13		"	10.0		133	68-146				
Carbon tetrachloride	11		"	10.0		111	77-141				
Chlorobenzene	11		"	10.0		112	88-120				
Chloroethane	9.1		"	10.0		91.4	65-136				
Chloroform	11		"	10.0		105	82-128				
Chloromethane	12		"	10.0		118	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131				
Cyclohexane	14		"	10.0		136	63-149				
Dibromochloromethane	9.5		"	10.0		95.1	80-130				
Dibromomethane	10		"	10.0		101	72-134				
Dichlorodifluoromethane	12		"	10.0		123	44-144				
Ethyl Benzene	12		"	10.0		118	80-131				
Hexachlorobutadiene	9.7		"	10.0		97.2	67-146				
Isopropylbenzene	13		"	10.0		129	76-140				
Methyl acetate	10		"	10.0		101	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135				
Methylcyclohexane	15		"	10.0		150	72-143	High Bias			
Methylene chloride	11		"	10.0		112	55-137				
n-Butylbenzene	12		"	10.0		118	79-132				
n-Propylbenzene	13		"	10.0		127	78-133				
o-Xylene	11		"	10.0		115	78-130				
p- & m- Xylenes	24		"	20.0		120	77-133				
p-Isopropyltoluene	12		"	10.0		118	81-136				
sec-Butylbenzene	13		"	10.0		126	79-137				
Styrene	11		"	10.0		110	67-132				
tert-Butyl alcohol (TBA)	51		"	50.0		101	25-162				
tert-Butylbenzene	12		"	10.0		123	77-138				
Tetrachloroethylene	7.0		"	10.0		69.6	82-131	Low Bias			
Toluene	11		"	10.0		112	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		112	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		115	63-141				
Trichloroethylene	10		"	10.0		99.9	82-128				
Trichlorofluoromethane	11		"	10.0		109	67-139				
Vinyl Chloride	12		"	10.0		117	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.94*		"	*10.0*		*89.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.80*		"	*10.0*		*98.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		"	*10.0*		*105*	*79-122*				

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

York Analytical Laboratories, Inc. - Stratford

Batch BD42075 - EPA 1633 Prep

Blank (BD42075-BLK1) Prepared: 04/27/2024 Analyzed: 04/29/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	1.56	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	*58.1*		*"*	*46.6*		*125*	*25-150*				
Surrogate: M5PFHxA	*54.8*		*"*	*50.0*		*110*	*25-150*				
Surrogate: M4PFHpA	*84.3*		*"*	*50.0*		*169*	*25-150*				
Surrogate: M3PFHxS	*55.7*		*"*	*47.4*		*118*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*42.9*		*"*	*50.0*		*85.9*	*25-150*				
Surrogate: M6PFDA	*25.3*		*"*	*25.0*		*101*	*25-150*				
Surrogate: M7PFUdA	*26.7*		*"*	*25.0*		*107*	*25-150*				

Batch BD42075 - EPA 1633 Prep

Blank (BD42075-BLK1) Prepared: 04/27/2024 Analyzed: 04/29/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*17.2*		*ng/L*	*25.0*		*68.8*	*25-150*				
Surrogate: M2PFTeDA	*18.2*		"	*25.0*		*72.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*185*		"	*200*		*92.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*56.3*		"	*47.9*		*118*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*112*		"	*100*		*112*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*46.3*		"	*50.0*		*92.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*84.6*		"	*100*		*84.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*84.4*		"	*100*		*84.4*	*25-150*				
Surrogate: M2-6:2 FTS	*210*		"	*95.1*		*221*	*25-200*				
Surrogate: M2-8:2 FTS	*112*		"	*96.0*		*117*	*25-200*				
Surrogate: M9PFNA	*26.6*		"	*25.0*		*106*	*25-150*				
Surrogate: M2-4:2 FTS	*218*		"	*93.8*		*232*	*25-150*				
Surrogate: d-N-MeFOSA	*23.7*		"	*50.0*		*47.3*	*25-150*				
Surrogate: d-N-EtFOSA	*20.1*		"	*50.0*		*40.3*	*25-150*				
Surrogate: M3HFPO-DA	*220*		"	*200*		*110*	*25-150*				
Surrogate: d9-N-EtFOSE	*274*		"	*500*		*54.7*	*25-150*				
Surrogate: d7-N-MeFOSE	*297*		"	*500*		*59.5*	*25-150*				

LCS (BD42075-BS1) Prepared: 04/27/2024 Analyzed: 04/29/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	64.4	3.54	ng/L	70.8		91.0	50-150				
Perfluorohexanoic acid (PFHxA)	76.2	4.00	"	80.0		95.2	50-150				
Perfluoroheptanoic acid (PFHpA)	52.7	4.00	"	80.0		65.8	50-150				
Perfluorohexanesulfonic acid (PFHxS)	71.7	3.66	"	73.2		97.9	50-150				
Perfluorooctanoic acid (PFOA)	76.7	4.00	"	80.0		96.0	50-150				
Perfluorooctanesulfonic acid (PFOS)	67.0	3.72	"	74.4		90.1	50-150				
Perfluorononanoic acid (PFNA)	79.7	4.00	"	80.0		99.6	50-150				
Perfluorodecanoic acid (PFDA)	84.1	4.00	"	80.0		105	50-150				
Perfluoroundecanoic acid (PFUnA)	99.3	4.00	"	80.0		124	50-150				
Perfluorododecanoic acid (PFDoA)	91.7	4.00	"	80.0		115	50-150				
Perfluorotridecanoic acid (PFTrDA)	99.5	4.00	"	80.0		124	50-150				
Perfluorotetradecanoic acid (PFTA)	84.0	4.00	"	80.0		105	50-150				
N-MeFOSAA	87.6	4.00	"	80.0		110	50-150				
N-EtFOSAA	77.1	4.00	"	80.0		96.4	50-150				
Perfluoropentanoic acid (PFPeA)	151	8.00	"	160		94.4	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	81.7	4.00	"	80.0		102	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	71.0	3.82	"	76.4		93.0	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	70.2	3.86	"	77.2		90.9	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	356	15.2	"	304		117	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	261	15.4	"	307		85.1	50-150				
Perfluoro-n-butanoic acid (PFBA)	323	16.0	"	320		101	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	127	7.12	"	142		89.1	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	127	8.00	"	160		79.6	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	142	8.00	"	160		89.1	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	149	8.00	"	160		93.2	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	71.3	3.76	"	75.2		94.8	50-150				

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

Batch BD42075 - EPA 1633 Prep

LCS (BD42075-BS1) Prepared: 04/27/2024 Analyzed: 04/29/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	354	15.0	ng/L	300		118	50-150				
HFPO-DA (Gen-X)	151	16.0	"	160		94.2	50-150				
11CL-PF3OUdS	114	15.1	"	151		75.6	50-150				
9CL-PF3ONS	132	15.0	"	150		88.0	50-150				
ADONA	150	15.1	"	151		99.3	50-150				
Perfluorododecanesulfonic acid (PFDoS)	64.4	3.88	"	77.6		83.0	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	65.9	3.84	"	76.8		85.8	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	295	10.0	"	320		92.3	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	1580	50.0	"	1600		98.9	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1700	50.0	"	1600		106	50-150				
N-MeFOSE	655	40.0	"	800		81.9	50-150				
N-MeFOSA	70.7	4.00	"	80.0		88.4	50-150				
N-EtFOSE	734	40.0	"	800		91.7	50-150				
N-EtFOSA	68.5	4.00	"	80.0		85.6	50-150				
Surrogate: M3PFBS	*52.5*		"	*46.6*		*113*	*25-150*				
Surrogate: M5PFHxA	*50.1*		"	*50.0*		*100*	*25-150*				
Surrogate: M4PFHpA	*69.9*		"	*50.0*		*140*	*25-150*				
Surrogate: M3PFHxS	*52.2*		"	*47.4*		*110*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*44.5*		"	*50.0*		*88.9*	*25-150*				
Surrogate: M6PFDA	*24.8*		"	*25.0*		*99.4*	*25-150*				
Surrogate: M7PFUdA	*21.1*		"	*25.0*		*84.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*17.0*		"	*25.0*		*68.0*	*25-150*				
Surrogate: M2PFTeDA	*15.1*		"	*25.0*		*60.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*173*		"	*200*		*86.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*52.7*		"	*47.9*		*110*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*102*		"	*100*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*43.5*		"	*50.0*		*87.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*86.7*		"	*100*		*86.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*82.9*		"	*100*		*82.9*	*25-150*				
Surrogate: M2-6:2 FTS	*206*		"	*95.1*		*217*	*25-200*				
Surrogate: M2-8:2 FTS	*114*		"	*96.0*		*118*	*25-200*				
Surrogate: M9PFNA	*25.6*		"	*25.0*		*102*	*25-150*				
Surrogate: M2-4:2 FTS	*186*		"	*93.8*		*199*	*25-150*				
Surrogate: d-N-MeFOSA	*31.5*		"	*50.0*		*63.1*	*25-150*				
Surrogate: d-N-EtFOSA	*23.2*		"	*50.0*		*46.3*	*25-150*				
Surrogate: M3HFPO-DA	*211*		"	*200*		*105*	*25-150*				
Surrogate: d9-N-EtFOSE	*282*		"	*500*		*56.5*	*25-150*				
Surrogate: d7-N-MeFOSE	*315*		"	*500*		*63.0*	*25-150*				

Batch BD42075 - EPA 1633 Prep

LCS (BD42075-BS2) Prepared: 04/27/2024 Analyzed: 04/29/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	13.1	3.54	ng/L	14.2		92.8	50-150				
Perfluorohexanoic acid (PFHxA)	15.7	4.00	"	16.0		98.2	50-150				
Perfluoroheptanoic acid (PFHpA)	10.1	4.00	"	16.0		63.0	50-150				
Perfluorohexanesulfonic acid (PFHxS)	14.9	3.66	"	14.6		102	50-150				
Perfluorooctanoic acid (PFOA)	17.1	4.00	"	16.0		107	50-150				
Perfluorooctanesulfonic acid (PFOS)	16.4	3.72	"	14.9		111	50-150				
Perfluorononanoic acid (PFNA)	17.3	4.00	"	16.0		108	50-150				
Perfluorodecanoic acid (PFDA)	20.6	4.00	"	16.0		129	50-150				
Perfluoroundecanoic acid (PFUnA)	17.8	4.00	"	16.0		111	50-150				
Perfluorododecanoic acid (PFDoA)	16.5	4.00	"	16.0		103	50-150				
Perfluorotridecanoic acid (PFTrDA)	19.6	4.00	"	16.0		122	50-150				
Perfluorotetradecanoic acid (PFTA)	16.0	4.00	"	16.0		100	50-150				
N-MeFOSAA	15.7	4.00	"	16.0		98.0	50-150				
N-EtFOSAA	16.2	4.00	"	16.0		101	50-150				
Perfluoropentanoic acid (PFPeA)	29.9	8.00	"	32.0		93.5	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	16.8	4.00	"	16.0		105	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	13.1	3.82	"	15.3		85.7	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	12.3	3.86	"	15.4		79.7	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	69.2	15.2	"	60.8		114	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	61.1	15.4	"	61.4		99.5	50-150				
Perfluoro-n-butanoic acid (PFBA)	63.7	16.0	"	64.0		99.5	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	25.2	7.12	"	28.5		88.5	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	29.1	8.00	"	32.0		90.8	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	29.2	8.00	"	32.0		91.2	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	29.7	8.00	"	32.0		92.8	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	14.6	3.76	"	15.0		97.3	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	69.4	15.0	"	60.0		116	50-150				
HFPO-DA (Gen-X)	31.8	16.0	"	32.0		99.4	50-150				
11CL-PF3OUdS	24.7	15.1	"	30.2		81.6	50-150				
9CL-PF3ONS	24.7	15.0	"	29.9		82.7	50-150				
ADONA	29.3	15.1	"	30.2		97.0	50-150				
Perfluorododecanesulfonic acid (PFDoS)	12.9	3.88	"	15.5		83.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	13.2	3.84	"	15.4		86.1	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	61.2	10.0	"	64.0		95.6	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	309	50.0	"	320		96.6	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	348	50.0	"	320		109	50-150				
N-MeFOSE	146	40.0	"	160		91.1	50-150				
N-MeFOSA	16.4	4.00	"	16.0		103	50-150				
N-EtFOSE	153	40.0	"	160		95.6	50-150				
N-EtFOSA	16.9	4.00	"	16.0		106	50-150				
Surrogate: M3PFBS	*52.5*		"	*46.6*		*113*	*25-150*				
Surrogate: M5PFHxA	*49.5*		"	*50.0*		*99.0*	*25-150*				
Surrogate: M4PFHpA	*72.4*		"	*50.0*		*145*	*25-150*				
Surrogate: M3PFHxS	*52.3*		"	*47.4*		*110*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*43.4*		"	*50.0*		*86.9*	*25-150*				
Surrogate: M6PFDA	*23.1*		"	*25.0*		*92.4*	*25-150*				
Surrogate: M7PFUdA	*24.9*		"	*25.0*		*99.8*	*25-150*				

Batch BD42075 - EPA 1633 Prep

LCS (BD42075-BS2) Prepared: 04/27/2024 Analyzed: 04/29/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*18.0*		*ng/L*	*25.0*		*72.1*	*25-150*				
Surrogate: M2PFTeDA	*17.5*		"	*25.0*		*70.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*169*		"	*200*		*84.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*51.1*		"	*47.9*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*102*		"	*100*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*42.4*		"	*50.0*		*84.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*83.1*		"	*100*		*83.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*81.3*		"	*100*		*81.3*	*25-150*				
Surrogate: M2-6:2 FTS	*188*		"	*95.1*		*198*	*25-200*				
Surrogate: M2-8:2 FTS	*102*		"	*96.0*		*106*	*25-200*				
Surrogate: M9PFNA	*24.1*		"	*25.0*		*96.5*	*25-150*				
Surrogate: M2-4:2 FTS	*185*		"	*93.8*		*197*	*25-150*				
Surrogate: d-N-MeFOSA	*28.9*		"	*50.0*		*57.9*	*25-150*				
Surrogate: d-N-EtFOSA	*21.8*		"	*50.0*		*43.5*	*25-150*				
Surrogate: M3HFPO-DA	*212*		"	*200*		*106*	*25-150*				
Surrogate: d9-N-EtFOSE	*261*		"	*500*		*52.3*	*25-150*				
Surrogate: d7-N-MeFOSE	*305*		"	*500*		*61.1*	*25-150*				

Duplicate (BD42075-DUP1) *Source sample: 24D1351-01 (Duplicate) Prepared: 04/27/2024 Analyzed: 04/29/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.14	3.21	ng/L		4.52				8.63	30	
Perfluorohexanoic acid (PFHxA)	2.97	3.63	"		3.20				7.44	30	
Perfluoroheptanoic acid (PFHpA)	ND	3.63	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	ND	3.32	"		ND					30	
Perfluorooctanoic acid (PFOA)	1.04	3.63	"		1.25				18.3	30	
Perfluorooctanesulfonic acid (PFOS)	ND	3.37	"		ND					30	
Perfluorononanoic acid (PFNA)	ND	3.63	"		ND					30	
Perfluorodecanoic acid (PFDA)	ND	3.63	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	3.63	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	3.63	"		ND					30	
Perfluorotridecanoic acid (PFTrDA)	ND	3.63	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	3.63	"		ND					30	
N-MeFOSAA	ND	3.63	"		ND					30	
N-EtFOSAA	ND	3.63	"		ND					30	
Perfluoropentanoic acid (PFPeA)	5.00	7.26	"		5.71				13.2	30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	3.63	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.46	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.50	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	13.8	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	13.9	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	14.5	"		ND					30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	6.46	"		ND					30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	7.26	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	7.26	"		ND					30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	7.26	"		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.41	"		ND					30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD42075 - EPA 1633 Prep											
Duplicate (BD42075-DUP1)	*Source sample: 24D1351-01 (Duplicate)							Prepared: 04/27/2024 Analyzed: 04/29/2024			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	13.6	ng/L		ND					30	
HFPO-DA (Gen-X)	ND	14.5	"		ND					30	
11CL-PF3OUdS	ND	13.7	"		ND					30	
9CL-PF3ONS	ND	13.6	"		ND					30	
ADONA	ND	13.7	"		ND					30	
Perfluorododecanesulfonic acid (PFDoS)	ND	3.52	"		ND					30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.48	"		ND					30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	9.07	"		ND					30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	45.4	"		ND					30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	45.4	"		ND					30	
N-MeFOSE	ND	36.3	"		ND					30	
N-MeFOSA	ND	3.63	"		ND					30	
N-EtFOSE	ND	36.3	"		ND					30	
N-EtFOSA	ND	3.63	"		ND					30	
Surrogate: M3PFBS	*39.3*		"	*42.3*		*92.9*	*25-150*				
Surrogate: M5PFHxA	*43.6*		"	*45.4*		*96.2*	*25-150*				
Surrogate: M4PFHpA	*61.3*		"	*45.4*		*135*	*25-150*				
Surrogate: M3PFHxS	*39.1*		"	*43.0*		*90.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*36.0*		"	*45.4*		*79.4*	*25-150*				
Surrogate: M6PFDA	*20.7*		"	*22.7*		*91.1*	*25-150*				
Surrogate: M7PFUdA	*16.6*		"	*22.7*		*73.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*12.4*		"	*22.7*		*54.5*	*25-150*				
Surrogate: M2PFTeDA	*7.31*		"	*22.7*		*32.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*24.1*		"	*181*		*13.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*45.4*		"	*43.4*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*81.1*		"	*90.7*		*89.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*37.5*		"	*45.4*		*82.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*66.2*		"	*90.7*		*73.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*62.5*		"	*90.7*		*68.9*	*25-150*				
Surrogate: M2-6:2 FTS	*182*		"	*86.3*		*211*	*25-200*				
Surrogate: M2-8:2 FTS	*81.0*		"	*87.1*		*93.1*	*25-200*				
Surrogate: M9PFNA	*19.8*		"	*22.7*		*87.5*	*25-150*				
Surrogate: M2-4:2 FTS	*295*		"	*85.1*		*347*	*25-150*				
Surrogate: d-N-MeFOSA	*29.6*		"	*45.4*		*65.3*	*25-150*				
Surrogate: d-N-EtFOSA	*26.1*		"	*45.4*		*57.5*	*25-150*				
Surrogate: M3HFPO-DA	*176*		"	*181*		*97.0*	*25-150*				
Surrogate: d9-N-EtFOSE	*180*		"	*454*		*39.7*	*25-150*				
Surrogate: d7-N-MeFOSE	*224*		"	*454*		*49.4*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40039 - EPA 1633 Prep											
Blank (BE40039-BLK1)								Prepared & Analyzed: 05/01/2024			
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-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	*15.7*		*"*	*23.3*		*67.3*	*25-150*				
Surrogate: M5PFHxA	*17.0*		*"*	*25.0*		*68.1*	*25-150*				
Surrogate: M4PFHpA	*30.8*		*"*	*25.0*		*123*	*25-150*				
Surrogate: M3PFHxS	*19.7*		*"*	*23.7*		*83.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*17.3*		*"*	*25.0*		*69.3*	*25-150*				
Surrogate: M6PFDA	*9.95*		*"*	*12.5*		*79.6*	*25-150*				
Surrogate: M7PFUdA	*8.29*		*"*	*12.5*		*66.3*	*25-150*				

Batch BE40039 - EPA 1633 Prep

Blank (BE40039-BLK1) Prepared & Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.03*		*ng/L*	*12.5*		*40.3*	*25-150*				
Surrogate: M2PFTeDA	*2.86*		"	*12.5*		*22.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.02*		"	*100*		*1.02*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*19.3*		"	*24.0*		*80.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*11.1*		"	*50.0*		*22.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*16.7*		"	*25.0*		*66.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*24.1*		"	*50.0*		*48.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*23.5*		"	*50.0*		*47.0*	*25-150*				
Surrogate: M2-6:2 FTS	*70.3*		"	*47.6*		*148*	*25-200*				
Surrogate: M2-8:2 FTS	*33.4*		"	*48.0*		*69.6*	*25-200*				
Surrogate: M9PFNA	*9.90*		"	*12.5*		*79.2*	*25-150*				
Surrogate: M2-4:2 FTS	*61.8*		"	*46.9*		*132*	*25-150*				
Surrogate: d-N-MeFOSA	*9.48*		"	*25.0*		*37.9*	*25-150*				
Surrogate: d-N-EtFOSA	*5.45*		"	*25.0*		*21.8*	*25-150*				
Surrogate: M3HFPO-DA	*71.2*		"	*100*		*71.2*	*25-150*				
Surrogate: d9-N-EtFOSE	*30.0*		"	*250*		*12.0*	*25-150*				
Surrogate: d7-N-MeFOSE	*42.8*		"	*250*		*17.1*	*25-150*				

LCS (BE40039-BS1) Prepared & Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	34.4	1.77	ng/L	35.4		97.1	50-150				
Perfluorohexanoic acid (PFHxA)	39.2	2.00	"	40.0		97.9	50-150				
Perfluoroheptanoic acid (PFHpA)	26.7	2.00	"	40.0		66.6	50-150				
Perfluorohexanesulfonic acid (PFHxS)	36.1	1.83	"	36.6		98.6	50-150				
Perfluorooctanoic acid (PFOA)	43.5	2.00	"	40.0		109	50-150				
Perfluorooctanesulfonic acid (PFOS)	35.7	1.86	"	37.2		95.9	50-150				
Perfluorononanoic acid (PFNA)	37.9	2.00	"	40.0		94.8	50-150				
Perfluorodecanoic acid (PFDA)	44.0	2.00	"	40.0		110	50-150				
Perfluoroundecanoic acid (PFUnA)	47.5	2.00	"	40.0		119	50-150				
Perfluorododecanoic acid (PFDoA)	42.5	2.00	"	40.0		106	50-150				
Perfluorotridecanoic acid (PFTrDA)	55.0	2.00	"	40.0		138	50-150				
Perfluorotetradecanoic acid (PFTA)	41.2	2.00	"	40.0		103	50-150				
N-MeFOSAA	46.6	2.00	"	40.0		117	50-150				
N-EtFOSAA	40.0	2.00	"	40.0		100	50-150				
Perfluoropentanoic acid (PFPeA)	78.6	4.00	"	80.0		98.3	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	37.4	2.00	"	40.0		93.5	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	36.0	1.91	"	38.2		94.1	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	28.5	1.93	"	38.6		73.7	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	181	7.60	"	152		119	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	159	7.68	"	154		103	50-150				
Perfluoro-n-butanoic acid (PFBA)	112	8.00	"	160		70.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	71.2	3.56	"	71.2		100	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	64.6	4.00	"	80.0		80.7	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	9.67	4.00	"	80.0		12.1	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	122	4.00	"	80.0		153	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	35.5	1.88	"	37.6		94.5	50-150				

Batch BE40039 - EPA 1633 Prep

LCS (BE40039-BS1) Prepared & Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	162	7.50	ng/L	150		108	50-150				
HFPO-DA (Gen-X)	70.6	8.00	"	80.0		88.2	50-150				
11CL-PF3OUdS	49.2	7.56	"	75.6		65.0	50-150				
9CL-PF3ONS	68.6	7.48	"	74.8		91.7	50-150				
ADONA	84.9	7.56	"	75.6		112	50-150				
Perfluorododecanesulfonic acid (PFDoS)	14.7	1.94	"	38.8		37.8	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	28.4	1.92	"	38.4		73.9	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	86.3	5.00	"	160		53.9	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	933	25.0	"	800		117	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1230	25.0	"	800		153	50-150	High Bias			
N-MeFOSE	378	20.0	"	400		94.4	50-150				
N-MeFOSA	47.1	2.00	"	40.0		118	50-150				
N-EtFOSE	392	20.0	"	400		97.9	50-150				
N-EtFOSA	57.4	2.00	"	40.0		144	50-150				
Surrogate: M3PFBS	*17.8*		"	*23.3*		*76.4*	*25-150*				
Surrogate: M5PFHxA	*19.2*		"	*25.0*		*76.8*	*25-150*				
Surrogate: M4PFHpA	*32.9*		"	*25.0*		*131*	*25-150*				
Surrogate: M3PFHxS	*24.1*		"	*23.7*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*20.3*		"	*25.0*		*81.2*	*25-150*				
Surrogate: M6PFDA	*10.8*		"	*12.5*		*86.5*	*25-150*				
Surrogate: M7PFUdA	*8.37*		"	*12.5*		*66.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.97*		"	*12.5*		*39.8*	*25-150*				
Surrogate: M2PFTeDA	*3.94*		"	*12.5*		*31.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.30*		"	*100*		*1.30*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*22.4*		"	*24.0*		*93.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*14.5*		"	*50.0*		*29.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*17.6*		"	*25.0*		*70.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*27.8*		"	*50.0*		*55.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*25.5*		"	*50.0*		*51.0*	*25-150*				
Surrogate: M2-6:2 FTS	*97.1*		"	*47.6*		*204*	*25-200*				
Surrogate: M2-8:2 FTS	*42.9*		"	*48.0*		*89.5*	*25-200*				
Surrogate: M9PFNA	*11.8*		"	*12.5*		*94.2*	*25-150*				
Surrogate: M2-4:2 FTS	*77.4*		"	*46.9*		*165*	*25-150*				
Surrogate: d-N-MeFOSA	*9.95*		"	*25.0*		*39.8*	*25-150*				
Surrogate: d-N-EtFOSA	*6.81*		"	*25.0*		*27.2*	*25-150*				
Surrogate: M3HFPO-DA	*85.5*		"	*100*		*85.5*	*25-150*				
Surrogate: d9-N-EtFOSE	*58.6*		"	*250*		*23.4*	*25-150*				
Surrogate: d7-N-MeFOSE	*73.7*		"	*250*		*29.5*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41958 - Preparation for GC Analysis											
Blank (BD41958-BLK1)							Prepared & Analyzed: 04/25/2024				
Ethylene Glycol	ND	10.0	mg/L								
Propylene Glycol	ND	10.0	"								
Surrogate: 1,4-Butanediol	*ND*		"				*30-130*				
Duplicate (BD41958-DUP1)	*Source sample: 24D1465-08 (Field Blank)						Prepared & Analyzed: 04/25/2024				
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
24D1465-01	DPW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1465-02	FMW-25	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1465-07	FMW-8	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1465-08	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1465-09	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-L	The CCV recovery for this PFAS compound was below 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).

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 Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This 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.

YORK Project No. 24D1465

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

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: WSP USA	Company:	Company:
Address: 500 Summit Lake Dr Valhalla NY 10595	Address:	Address:
Phone.: 914 329 1392	Phone.: Same	Phone.: Same
Contact: John Benevgne	Contact:	Contact:
E-mail: John.Benevgne@wsp.com	E-mail:	E-mail:

YOUR Project Number: 31402218.008

YOUR Project Name: West chester county Airport (WCA)

YOUR PO#:

Turn-Around Time

- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- RUSH - Five Day ☐
- Standard (6-9 Day) ☒
- PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Miki Reiff

Samples Collected by: (print AND sign your name)

Matrix Codes

- S - soil / solid
- GW - groundwater
- DW - drinking water
- WW - wastewater
- O - Oil
- Other

Samples From

- New York ☒
- New Jersey ☐
- Connecticut ☐
- Pennsylvania ☐
- Other:

Report / EDD Type (circle selections)

- Summary Report
- QA Report
- CMDP
- Standard Excel EDD
- [✓ NY ASP B Package]
- CT RCP
- CT RCP DQA/DUE
- NJDEP Reduced Deliverables
- Other:
- EQuIS (Standard)
- [✓ NYSDEC EQuIS]
- NJDKQP
- NJDEP SRP HazSite

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled		Analyses Requested			Container Type			No.
				PFAS 1633	8260 full list	Gylcols	2P	5U	2GV	
DPW-2	GW	4/22/24	1010	x	x		x	x		5
FMW-25	↓	↓	1045	x	x	x	x	x	x	7
FMW-3			1125	x			x			2
FMW-26			1200	x			x			2
MW-57			1245	x			x			2
MW-51			1400	x			x			2
FMW-8	↓		1500	x	x		x	x		5
field Blank	DI	↓	1520	x	x	x	x	x	x	6
Trip Blank	DI				x			x		2

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

- Field Filtered ☐
- Lab to Filter ☐

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	4/22/24 1545	Marcest York	4/23/24 9:33	Marcest York	4/23/24 1342
2. Samples Received by / Company	**Date/Time**	**3. Samples Relinquished by / Company**	**Date/Time**	**3. Samples Received by / Company**	**Date/Time**
4. Samples Relinquished by / Company	**Date/Time**	**4. Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by**	**Date/Time** / **Temperature**
					4/23/24 13:42 3.2°C Degrees C

Technical Report

prepared for:

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

Report Date: 05/02/2024
Client Project ID: 31402218.000 - Westchester County Airport (WCA)
York Project (SDG) No.: 24D1556

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

Report Date: 05/02/2024
Client Project ID: 31402218.000 - Westchester County Airport (WCA)
York Project (SDG) No.: 24D1556

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 April 24, 2024 and listed below. The project was identified as your project: **31402218.000 - Westchester County Airport (WCA)**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24D1556-01	**FMW-16**	**Ground Water**	**04/23/2024**	**04/24/2024**
24D1556-02	**FMW-15**	**Ground Water**	**04/23/2024**	**04/24/2024**
24D1556-03	**MW-52**	**Ground Water**	**04/23/2024**	**04/24/2024**
24D1556-04	**FMW-14**	**Ground Water**	**04/23/2024**	**04/24/2024**
24D1556-05	**MW-64**	**Ground Water**	**04/23/2024**	**04/24/2024**
24D1556-06	**MW-63**	**Ground Water**	**04/23/2024**	**04/24/2024**
24D1556-07	**MW-43**	**Ground Water**	**04/23/2024**	**04/24/2024**
24D1556-08	**MW-44**	**Ground Water**	**04/23/2024**	**04/24/2024**
24D1556-09	**FMW-6**	**Ground Water**	**04/23/2024**	**04/24/2024**
24D1556-10	**Field Duplicate**	**Ground Water**	**04/23/2024**	**04/24/2024**
24D1556-11	**Field Blank**	**Water**	**04/23/2024**	**04/24/2024**
24D1556-12	**Trip Blank**	**Water**	**04/23/2024**	**04/24/2024**

General Notes for York Project (SDG) No.: 24D1556

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: **Date:** 05/02/2024

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **FMW-16** **York Sample ID:** **24D1556-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 10:00 am	04/24/2024

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)**	**14.1**		ng/L	0.522	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**71.4**		ng/L	0.389	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**42.9**		ng/L	0.788	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**296**		ng/L	0.755	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**99.0**		ng/L	0.466	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**1250**		ng/L	4.55	10.3	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 19:52	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**34.3**		ng/L	0.577	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
335-76-2	**Perfluorodecanoic acid (PFDA)**	**5.79**		ng/L	0.833	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.25	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.977	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.822	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.766	2.22	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.877	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.14	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**84.1**		ng/L	0.255	4.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.977	2.22	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**23.1**		ng/L	1.01	2.12	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.47	2.14	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**69.2**		ng/L	1.18	8.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
39108-34-4	**1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**8.65**		ng/L	2.28	8.53	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**31.6**		ng/L	0.366	8.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER

Sample Information

Client Sample ID: **FMW-16** **York Sample ID:** **24D1556-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 10:00 am	04/24/2024

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
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.555	3.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 13:41	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.38	4.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 13:41	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.278	4.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 13:41	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.411	4.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 13:41	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**20.6**		ng/L	0.844	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
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	05/01/2024 09:00	05/02/2024 13:41	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.59	8.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.53	8.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.777	8.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
919005-14-4	ADONA	ND		ng/L	0.589	8.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.03	2.15	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:41	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.955	2.13	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:41	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.25	5.55	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:41	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	8.14	27.8	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:41	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.5	27.8	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:41	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.43	22.2	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:41	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.75	2.22	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:41	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.43	22.2	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:41	ER
4151-50-2	* N-EtFOSA	ND		ng/L	2.00	2.22	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:41	ER

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*104 %*	*25-150*
Surrogate: M3PFBS	*92.8 %*	*25-150*
Surrogate: M5PFHxA	*91.1 %*	*25-150*
Surrogate: M5PFHxA	*102 %*	*25-150*
Surrogate: M4PFHpA	*135 %*	*25-150*
Surrogate: M4PFHpA	*125 %*	*25-150*

Sample Information

Client Sample ID: **FMW-16**

York Sample ID: **24D1556-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 10:00 am	04/24/2024

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: M3PFHxS	*95.8 %*			*25-150*						
	Surrogate: M3PFHxS	*92.8 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.5 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*74.9 %*			*25-150*						
	Surrogate: M6PFDA	*64.5 %*			*25-150*						
	Surrogate: M6PFDA	*69.8 %*			*25-150*						
	Surrogate: M7PFUdA	*41.7 %*			*25-150*						
	Surrogate: M7PFUdA	*40.5 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*19.7 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*21.1 %*	PFSu-L		*25-150*						
	Surrogate: M2PFTeDA	*13.5 %*			*10-150*						
	Surrogate: M2PFTeDA	*11.6 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.7 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.4 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*83.6 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*99.4 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*107 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*97.1 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*56.7 %*			*10-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*58.2 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*44.6 %*			*25-150*						
	Surrogate: d3-N-MeFOSAA	*44.5 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*35.1 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*36.1 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*238 %*	PFSu-H		*25-200*						
	Surrogate: M2-6:2 FTS	*341 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*73.0 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*68.7 %*			*25-200*						
	Surrogate: M9PFNA	*85.1 %*			*25-150*						
	Surrogate: M9PFNA	*83.6 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*344 %*	PFSu-H		*25-150*						

Sample Information

Client Sample ID: **FMW-16** **York Sample ID:** **24D1556-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 10:00 am	04/24/2024

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: M2-4:2 FTS	*536 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*29.5 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*9.72 %*	PFSu-L		*25-150*						
	Surrogate: d-N-EtFOSA	*13.1 %*	PFSu-L		*25-150*						
	Surrogate: d-N-EtFOSA	*7.97 %*	PFSu-L		*25-150*						
	Surrogate: M3HFPO-DA	*98.6 %*			*25-150*						
	Surrogate: M3HFPO-DA	*105 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*4.66 %*	PFSu-L		*25-150*						
	Surrogate: d9-N-EtFOSE	*2.30 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*4.36 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*4.79 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID: **FMW-15** **York Sample ID:** **24D1556-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 10:35 am	04/24/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:18	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:18	SCB

Sample Information

Client Sample ID: **FMW-15**

York Sample ID: **24D1556-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 10:35 am	04/24/2024

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:18	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:18	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:18	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB

Sample Information

Client Sample ID: **FMW-15** **York Sample ID:** **24D1556-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 10:35 am	04/24/2024

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
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:18	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:18	SCB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:18	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:18	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:18	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:18	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/30/2024 08:00	04/30/2024 19:18	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/30/2024 08:00	04/30/2024 19:18	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **FMW-15** **York Sample ID:** **24D1556-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 10:35 am	04/24/2024

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
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:18	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:18	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.4 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*109 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*114 %*	*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)**	**9.81**		ng/L	0.477	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**12.0**		ng/L	0.355	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**4.82**		ng/L	0.721	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**40.9**		ng/L	0.690	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **FMW-15** **York Sample ID:** **24D1556-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 10:35 am	04/24/2024

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)**	**13.5**		ng/L	0.426	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**26.2**		ng/L	0.832	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**39.3**		ng/L	0.528	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
335-76-2	**Perfluorodecanoic acid (PFDA)**	**3.11**		ng/L	0.761	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**51.1**	PF-CCV-H	ng/L	1.15	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.893	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.751	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.700	2.03	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.802	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.05	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**12.6**		ng/L	0.233	4.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.893	2.03	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.924	1.94	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.34	1.96	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.08	7.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.08	7.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**4.94**	J	ng/L	0.335	8.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.507	3.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 13:57	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.17	4.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 13:57	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.254	4.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 13:57	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.376	4.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 13:57	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**5.84**		ng/L	0.771	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.82	7.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER

Sample Information

Client Sample ID: **FMW-15** **York Sample ID:** **24D1556-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 10:35 am	04/24/2024

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	3.28	8.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.40	7.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.710	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
919005-14-4	ADONA	ND		ng/L	0.538	7.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.944	1.97	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:57	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.873	1.95	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 13:57	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.06	5.07	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:57	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.44	25.4	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:57	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.61	25.4	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:57	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.05	20.3	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:57	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.60	2.03	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:57	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.05	20.3	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:57	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.83	2.03	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 13:57	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*99.2 %*		*25-150*
Surrogate: M5PFHxA	*89.0 %*		*25-150*
Surrogate: M4PFHpA	*131 %*		*25-150*
Surrogate: M3PFHxS	*96.5 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*73.5 %*		*25-150*
Surrogate: M6PFDA	*57.6 %*		*25-150*
Surrogate: M7PFUdA	*29.8 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*14.3 %*	PFSu-L	*25-150*
Surrogate: M2PFTeDA	*8.83 %*	PFSu-L	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*79.2 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*69.2 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*93.6 %*		*25-150*

Sample Information

Client Sample ID: **FMW-15** **York Sample ID:** **24D1556-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 10:35 am	04/24/2024

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: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*48.0 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*28.6 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*20.8 %*	PFSu-L		*25-150*						
	Surrogate: M2-6:2 FTS	*189 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*52.0 %*			*25-200*						
	Surrogate: M9PFNA	*88.6 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*240 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*7.98 %*	PFSu-L		*25-150*						
	Surrogate: d-N-EtFOSA	*9.96 %*	PFSu-L		*25-150*						
	Surrogate: M3HFPO-DA	*102 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*5.31 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*8.56 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID: **MW-52** **York Sample ID:** **24D1556-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 11:40 am	04/24/2024

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)	ND		ng/L	0.581	2.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**0.915**	J	ng/L	0.433	2.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.878	2.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.841	2.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**1.19**	J	ng/L	0.519	2.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.01	2.30	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**2.19**	J	ng/L	0.643	2.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.927	2.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER

Sample Information

Client Sample ID: **MW-52**

York Sample ID: **24D1556-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 11:40 am	04/24/2024

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	1.40	2.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.09	2.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.915	2.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.853	2.47	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.977	2.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.27	2.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**1.51**	J	ng/L	0.284	4.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.09	2.47	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.12	2.36	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.63	2.39	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**1.55**	J	ng/L	1.31	9.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.53	9.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.408	9.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.618	4.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 14:13	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.65	4.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 14:13	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.309	4.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 14:13	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.457	4.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 14:13	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.939	2.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.21	9.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.99	9.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.71	9.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.865	9.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
919005-14-4	ADONA	ND		ng/L	0.655	9.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER

Sample Information

Client Sample ID: MW-52 **York Sample ID:** 24D1556-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 11:40 am	04/24/2024

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	1.15	2.40	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:13	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.06	2.37	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:13	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.51	6.18	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:13	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	9.06	30.9	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:13	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	11.7	30.9	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:13	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.93	24.7	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:13	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.95	2.47	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:13	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.93	24.7	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:13	ER
4151-50-2	* N-EtFOSA	ND		ng/L	2.22	2.47	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:13	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*97.9 %*		*25-150*
Surrogate: M5PFHxA	*104 %*		*25-150*
Surrogate: M4PFHpA	*149 %*		*25-150*
Surrogate: M3PFHxS	*110 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*95.9 %*		*25-150*
Surrogate: M6PFDA	*82.8 %*		*25-150*
Surrogate: M7PFUdA	*62.9 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*36.0 %*		*25-150*
Surrogate: M2PFTeDA	*25.8 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.17 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*116 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*48.3 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*86.5 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*62.3 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*52.8 %*		*25-150*
Surrogate: M2-6:2 FTS	*227 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*94.4 %*		*25-200*
Surrogate: M9PFNA	*93.9 %*		*25-150*
Surrogate: M2-4:2 FTS	*278 %*	PFSu-H	*25-150*

Sample Information

Client Sample ID: MW-52 **York Sample ID:** 24D1556-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 11:40 am	04/24/2024

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: d-N-MeFOSA	*55.1 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*37.3 %*			*25-150*						
	Surrogate: M3HFPO-DA	*107 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*24.8 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*28.3 %*			*25-150*						

Sample Information

Client Sample ID: FMW-14 **York Sample ID:** 24D1556-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 12:20 pm	04/24/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:44	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:44	SCB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:44	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB

Sample Information

Client Sample ID: **FMW-14**

York Sample ID: **24D1556-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 12:20 pm	04/24/2024

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
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-46-7	**1,4-Dichlorobenzene**	**0.35**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	40	40	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
78-93-3	2-Butanone	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-02-8	Acrolein	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	**Benzene**	**1.4**		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-90-7	**Chlorobenzene**	**29**		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 19:44	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **FMW-14**

York Sample ID: **24D1556-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 12:20 pm	04/24/2024

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
74-87-3	Chloromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:44	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:44	SCB
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:44	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:44	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:44	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:44	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/30/2024 08:00	04/30/2024 19:44	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/30/2024 08:00	04/30/2024 19:44	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 19:44	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB

Sample Information

Client Sample ID: **FMW-14** **York Sample ID:** **24D1556-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 12:20 pm	04/24/2024

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
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 19:44	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*94.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*113 %*	*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)**	**5.41**		ng/L	0.482	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**20.3**		ng/L	0.359	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**10.1**		ng/L	0.728	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**96.3**		ng/L	0.697	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**57.8**		ng/L	0.431	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**122**		ng/L	0.841	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**34.1**		ng/L	0.533	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER

Sample Information

Client Sample ID: FMW-14 **York Sample ID:** 24D1556-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 12:20 pm	04/24/2024

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
335-76-2	**Perfluorodecanoic acid (PFDA)**	**1.04**	J	ng/L	0.769	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**2.91**	PF-CCV-H	ng/L	1.16	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.902	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.759	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.707	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.810	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.06	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**25.3**		ng/L	0.236	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
754-91-6	*** Perfluoro-1-octanesulfonamide (FOSA)**	**0.943**	J	ng/L	0.902	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**3.64**		ng/L	0.933	1.96	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.35	1.98	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**6.40**	J	ng/L	1.09	7.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
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	05/01/2024 09:00	05/02/2024 14:29	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**11.6**		ng/L	0.338	8.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.513	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 14:29	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.19	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 14:29	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.256	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 14:29	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.379	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 14:29	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**6.67**		ng/L	0.779	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.84	7.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.31	8.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.41	7.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.718	7.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER

Sample Information

Client Sample ID: **FMW-14** **York Sample ID:** **24D1556-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 12:20 pm	04/24/2024

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
919005-14-4	ADONA	ND		ng/L	0.543	7.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.954	1.99	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:29	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.882	1.97	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:29	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.08	5.13	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:29	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.52	25.6	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:29	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.71	25.6	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:29	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.09	20.5	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:29	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.62	2.05	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:29	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.09	20.5	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:29	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.85	2.05	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:29	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*101 %*		*25-150*
Surrogate: M5PFHxA	*111 %*		*25-150*
Surrogate: M4PFHpA	*137 %*		*25-150*
Surrogate: M3PFHxS	*103 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*87.8 %*		*25-150*
Surrogate: M6PFDA	*68.2 %*		*25-150*
Surrogate: M7PFUdA	*39.8 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*16.7 %*	PFSu-L	*25-150*
Surrogate: M2PFTeDA	*9.83 %*	PFSu-L	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.3 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*93.1 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*109 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*55.2 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*35.4 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*30.0 %*		*25-150*
Surrogate: M2-6:2 FTS	*293 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*63.8 %*		*25-200*

Sample Information

Client Sample ID: **FMW-14**

York Sample ID: **24D1556-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 12:20 pm	04/24/2024

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: M9PFNA	*81.9 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*473 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*10.0 %*	PFSu-L		*25-150*						
	Surrogate: d-N-EtFOSA	*9.10 %*	PFSu-L		*25-150*						
	Surrogate: M3HFPO-DA	*113 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*2.83 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*6.36 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID: **MW-64**

York Sample ID: **24D1556-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 1:15 pm	04/24/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 20:11	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 20:11	SCB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 20:11	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB

Sample Information

Client Sample ID: **MW-64** **York Sample ID:** **24D1556-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 1:15 pm	04/24/2024

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
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-06-2	**1,2-Dichloroethane**	**0.74**		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	40	40	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
78-93-3	2-Butanone	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-64-1	**Acetone**	**1.0**	J	ug/L	1.0	2.0	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
107-02-8	Acrolein	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 20:11	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: MW-64 **York Sample ID:** 24D1556-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 1:15 pm	04/24/2024

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
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
74-87-3	Chloromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
156-59-2	**cis-1,2-Dichloroethylene**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 08:00	04/30/2024 20:11	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
110-82-7	**Cyclohexane**	**4.7**		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0	04/30/2024 08:00	04/30/2024 20:11	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 20:11	SCB
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 20:11	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 20:11	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 20:11	SCB
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.59**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 08:00	04/30/2024 20:11	SCB
108-87-2	**Methylcyclohexane**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0	04/30/2024 08:00	04/30/2024 20:11	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/30/2024 08:00	04/30/2024 20:11	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/30/2024 08:00	04/30/2024 20:11	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB

Sample Information

Client Sample ID: **MW-64**　　**York Sample ID:** **24D1556-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 1:15 pm	04/24/2024

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
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 20:11	SCB
98-06-6	**tert-Butylbenzene**	**0.28**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 08:00	04/30/2024 20:11	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB
75-01-4	**Vinyl Chloride**	**2.8**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 08:00	04/30/2024 20:11	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 20:11	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.4 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*110 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*118 %*	*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)**	**96.7**		ng/L	5.88	22.1	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**466**		ng/L	4.38	25.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**171**		ng/L	8.88	25.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**2270**		ng/L	8.50	22.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**1660**		ng/L	5.25	25.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER

Sample Information

Client Sample ID: **MW-64**

York Sample ID: **24D1556-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 1:15 pm	04/24/2024

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)**	**8460**		ng/L	51.2	116	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 20:08	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**91.2**		ng/L	6.50	25.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
335-76-2	**Perfluorodecanoic acid (PFDA)**	**21.2**	J	ng/L	9.38	25.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**67.3**	PF-CCV-H	ng/L	14.1	25.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	11.0	25.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	9.25	25.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	8.62	25.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
2355-31-9	N-MeFOSAA	ND		ng/L	9.88	25.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
2991-50-6	N-EtFOSAA	ND		ng/L	12.9	25.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**557**		ng/L	2.88	50.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
754-91-6	*** Perfluoro-1-octanesulfonamide (FOSA)**	**126**		ng/L	11.0	25.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**156**		ng/L	11.4	23.9	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	16.5	24.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**814**		ng/L	13.2	95.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
39108-34-4	**1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**158**		ng/L	25.6	96.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	4.12	100	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	6.25	44.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 14:46	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	26.8	50.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 14:46	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	3.12	50.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 14:46	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	4.62	50.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 14:46	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**177**		ng/L	9.50	23.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	22.4	93.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	40.4	100	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER

Sample Information

Client Sample ID: **MW-64**

York Sample ID: **24D1556-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 1:15 pm	04/24/2024

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
763051-92-9	11CL-PF3OUdS	ND		ng/L	17.2	94.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	8.75	93.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
919005-14-4	ADONA	ND		ng/L	6.62	94.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	11.6	24.2	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:46	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	10.8	24.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 14:46	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	25.4	62.5	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:46	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	91.6	312	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:46	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	118	312	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:46	ER
24448-09-7	* N-MeFOSE	ND		ng/L	49.9	250	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:46	ER
31506-32-8	* N-MeFOSA	ND		ng/L	19.8	25.0	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:46	ER
1691-99-2	* N-EtFOSE	ND		ng/L	49.9	250	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:46	ER
4151-50-2	* N-EtFOSA	ND		ng/L	22.5	25.0	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 14:46	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*114 %*		*25-150*
Surrogate: M3PFBS	*106 %*		*25-150*
Surrogate: M5PFHxA	*106 %*		*25-150*
Surrogate: M5PFHxA	*106 %*		*25-150*
Surrogate: M4PFHpA	*134 %*		*25-150*
Surrogate: M4PFHpA	*168 %*	PFSu-H	*25-150*
Surrogate: M3PFHxS	*111 %*		*25-150*
Surrogate: M3PFHxS	*105 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.8 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.9 %*		*25-150*
Surrogate: M6PFDA	*87.5 %*		*25-150*
Surrogate: M6PFDA	*92.0 %*		*25-150*
Surrogate: M7PFUdA	*62.9 %*		*25-150*
Surrogate: M7PFUdA	*71.3 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*33.2 %*		*25-150*

Sample Information

Client Sample ID: **MW-64** **York Sample ID:** **24D1556-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 1:15 pm	04/24/2024

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: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*36.9 %*			*25-150*						
	Surrogate: M2PFTeDA	*27.9 %*			*10-150*						
	Surrogate: M2PFTeDA	*28.9 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.87 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*7.21 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*123 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*122 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.1 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.4 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*101 %*			*10-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*92.5 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*67.9 %*			*25-150*						
	Surrogate: d3-N-MeFOSAA	*61.3 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*54.2 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*54.3 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*263 %*	PFSu-H		*25-200*						
	Surrogate: M2-6:2 FTS	*223 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*95.3 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*90.1 %*			*25-200*						
	Surrogate: M9PFNA	*104 %*			*25-150*						
	Surrogate: M9PFNA	*101 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*309 %*	PFSu-H		*25-150*						
	Surrogate: M2-4:2 FTS	*250 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*70.3 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*56.5 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*40.4 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*37.0 %*			*25-150*						
	Surrogate: M3HFPO-DA	*107 %*			*25-150*						
	Surrogate: M3HFPO-DA	*114 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*26.6 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*24.6 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*32.4 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*30.6 %*			*25-150*						

Sample Information

Client Sample ID: MW-64 **York Sample ID:** 24D1556-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 1:15 pm	04/24/2024

Sample Information

Client Sample ID: MW-63 **York Sample ID:** 24D1556-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 2:00 pm	04/24/2024

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)**	**560**		ng/L	9.40	35.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**2120**		ng/L	7.00	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**419**		ng/L	14.2	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**8060**		ng/L	13.6	36.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**14200**		ng/L	42.0	200	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 20:24	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**778**		ng/L	16.4	37.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**48.5**		ng/L	10.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	15.0	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	22.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	17.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	14.8	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	13.8	40.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
2355-31-9	N-MeFOSAA	ND		ng/L	15.8	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
2991-50-6	N-EtFOSAA	ND		ng/L	20.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**694**		ng/L	4.60	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	17.6	40.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**157**		ng/L	18.2	38.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	26.4	38.6	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER

Sample Information

Client Sample ID: **MW-63** **York Sample ID:** **24D1556-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 2:00 pm	04/24/2024

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
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**268**		ng/L	21.2	152	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	41.0	154	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	6.60	160	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	10.0	71.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 15:02	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	42.8	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 15:02	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	5.00	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 15:02	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	7.40	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 15:02	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**872**		ng/L	15.2	37.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	35.8	150	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	64.6	160	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	27.6	151	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	14.0	150	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
919005-14-4	ADONA	ND		ng/L	10.6	151	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	18.6	38.8	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 15:02	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	17.2	38.4	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 15:02	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	40.6	100	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 15:02	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	147	500	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 15:02	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	189	500	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 15:02	ER
24448-09-7	* N-MeFOSE	ND		ng/L	79.8	400	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 15:02	ER
31506-32-8	* N-MeFOSA	ND		ng/L	31.6	40.0	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 15:02	ER
1691-99-2	* N-EtFOSE	ND		ng/L	79.8	400	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 15:02	ER
4151-50-2	* N-EtFOSA	ND		ng/L	36.0	40.0	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 15:02	ER

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*104 %*	*25-150*

Sample Information

Client Sample ID:	**MW-63**	**York Sample ID:**	**24D1556-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 2:00 pm	04/24/2024

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: M3PFBS	*113 %*			*25-150*						
	Surrogate: M5PFHxA	*96.1 %*			*25-150*						
	Surrogate: M5PFHxA	*102 %*			*25-150*						
	Surrogate: M4PFHpA	*136 %*			*25-150*						
	Surrogate: M4PFHpA	*130 %*			*25-150*						
	Surrogate: M3PFHxS	*99.4 %*			*25-150*						
	Surrogate: M3PFHxS	*108 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.3 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*79.8 %*			*25-150*						
	Surrogate: M6PFDA	*73.4 %*			*25-150*						
	Surrogate: M6PFDA	*97.8 %*			*25-150*						
	Surrogate: M7PFUdA	*53.4 %*			*25-150*						
	Surrogate: M7PFUdA	*60.9 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*30.5 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*30.5 %*			*25-150*						
	Surrogate: M2PFTeDA	*23.9 %*			*10-150*						
	Surrogate: M2PFTeDA	*25.7 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*6.02 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*7.54 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*94.8 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*116 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*74.3 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*68.7 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*76.8 %*			*10-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*77.1 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*58.2 %*			*25-150*						
	Surrogate: d3-N-MeFOSAA	*49.3 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*44.6 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*39.8 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*202 %*	PFSu-H		*25-200*						
	Surrogate: M2-6:2 FTS	*264 %*	PFSu-H		*25-200*						

Sample Information

Client Sample ID: **MW-63** **York Sample ID:** **24D1556-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 2:00 pm	04/24/2024

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: M2-8:2 FTS	*78.6 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*97.4 %*			*25-200*						
	Surrogate: M9PFNA	*79.2 %*			*25-150*						
	Surrogate: M9PFNA	*97.8 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*203 %*	PFSu-H		*25-150*						
	Surrogate: M2-4:2 FTS	*249 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*57.7 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*38.4 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*36.2 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*28.0 %*			*25-150*						
	Surrogate: M3HFPO-DA	*109 %*			*25-150*						
	Surrogate: M3HFPO-DA	*108 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*25.0 %*	PFSu-L		*25-150*						
	Surrogate: d9-N-EtFOSE	*18.0 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*19.9 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*22.1 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID: **MW-43** **York Sample ID:** **24D1556-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:00 pm	04/24/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB

Sample Information

Client Sample ID: **MW-43**

York Sample ID: **24D1556-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:00 pm	04/24/2024

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
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:31	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:31	SCB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:31	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:31	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
67-64-1	Acetone	ND	CCVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
107-02-8	**Acrolein**	**0.23**	CCVE, J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/01/2024 08:00	05/01/2024 14:31	SCB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:31	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB

Sample Information

Client Sample ID: MW-43

York Sample ID: 24D1556-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:00 pm	04/24/2024

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
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-87-3	Chloromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**4.6**		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/01/2024 08:00	05/01/2024 14:31	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **MW-43** **York Sample ID:** **24D1556-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:00 pm	04/24/2024

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
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/01/2024 08:00	05/01/2024 14:31	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/01/2024 08:00	05/01/2024 14:31	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:31	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:31	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.3 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.3 %*	*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)**	**11.1**		ng/L	0.563	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ

Sample Information

Client Sample ID: MW-43

York Sample ID: 24D1556-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:00 pm	04/24/2024

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
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**50.1**		ng/L	0.419	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**21.1**	PF-CCV-L	ng/L	0.850	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**102**		ng/L	0.814	2.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**39.9**		ng/L	0.503	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**128**		ng/L	0.982	2.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**45.4**		ng/L	0.623	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
335-76-2	**Perfluorodecanoic acid (PFDA)**	**1.21**	J	ng/L	0.898	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.35	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.05	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.886	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.826	2.39	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.946	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.23	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**59.0**		ng/L	0.275	4.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.05	2.39	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**3.96**		ng/L	1.09	2.29	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.58	2.31	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**3.79**	J	ng/L	1.27	9.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.45	9.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**27.9**		ng/L	0.395	9.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.599	4.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 16:23	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.56	4.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 16:23	ESJ

Sample Information

Client Sample ID: **MW-43** **York Sample ID:** **24D1556-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:00 pm	04/24/2024

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	0.299	4.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 16:23	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.443	4.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 16:23	ESJ
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**11.8**		ng/L	0.910	2.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.14	8.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.87	9.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.65	9.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.838	8.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
919005-14-4	ADONA	ND		ng/L	0.635	9.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.11	2.32	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:23	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.03	2.30	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:23	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.43	5.99	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:23	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	8.78	29.9	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:23	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	11.3	29.9	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:23	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.78	23.9	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:23	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.89	2.39	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:23	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.78	23.9	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:23	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	2.16	2.39	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:23	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*94.5 %*	*25-150*
Surrogate: M5PFHxA	*90.2 %*	*25-150*
Surrogate: M4PFHpA	*120 %*	*25-150*
Surrogate: M3PFHxS	*95.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*79.5 %*	*25-150*
Surrogate: M6PFDA	*63.7 %*	*25-150*
Surrogate: M7PFUdA	*46.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*26.5 %*	*25-150*

Sample Information

Client Sample ID: **MW-43** **York Sample ID:** **24D1556-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:00 pm	04/24/2024

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: M2PFTeDA	*22.9 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*12.5 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*86.8 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*81.7 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*65.5 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*40.9 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*38.8 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*213 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*65.0 %*			*25-200*						
	Surrogate: M9PFNA	*88.9 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*318 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*17.5 %*	PFSu-L		*25-150*						
	Surrogate: d-N-EtFOSA	*13.7 %*	PFSu-L		*25-150*						
	Surrogate: M3HFPO-DA	*99.0 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*20.0 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*22.0 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID: **MW-44** **York Sample ID:** **24D1556-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 2:45 pm	04/24/2024

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)**	**11.7**		ng/L	0.531	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**30.1**		ng/L	0.395	2.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**12.4**	PF-CCV-L	ng/L	0.802	2.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**89.1**		ng/L	0.768	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**75.0**		ng/L	0.474	2.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ

Sample Information

Client Sample ID: **MW-44**

York Sample ID: **24D1556-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 2:45 pm	04/24/2024

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)**	**95.1**		ng/L	0.926	2.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**22.8**		ng/L	0.587	2.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
335-76-2	**Perfluorodecanoic acid (PFDA)**	**1.01**	J	ng/L	0.847	2.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**2.65**	PF-CCV-H	ng/L	1.28	2.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.994	2.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.836	2.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.779	2.26	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.892	2.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.16	2.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**43.1**		ng/L	0.260	4.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.994	2.26	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**3.26**		ng/L	1.03	2.16	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.49	2.18	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.20	8.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.31	8.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**18.6**		ng/L	0.373	9.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.565	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 16:39	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.42	4.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 16:39	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.282	4.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 16:39	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.418	4.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 16:39	ESJ
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**14.1**		ng/L	0.858	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.02	8.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.65	9.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ

Sample Information

Client Sample ID: **MW-44**

York Sample ID: **24D1556-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 2:45 pm	04/24/2024

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
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.56	8.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.790	8.45	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
919005-14-4	ADONA	ND		ng/L	0.598	8.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.05	2.19	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:39	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.971	2.17	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:39	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.29	5.65	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:39	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	8.28	28.2	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:39	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.7	28.2	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:39	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.51	22.6	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:39	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.78	2.26	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:39	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.51	22.6	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:39	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	2.03	2.26	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:39	ESJ

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*90.8 %*		*25-150*
Surrogate: M5PFHxA	*95.0 %*		*25-150*
Surrogate: M4PFHpA	*124 %*		*25-150*
Surrogate: M3PFHxS	*92.1 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*73.5 %*		*25-150*
Surrogate: M6PFDA	*76.5 %*		*25-150*
Surrogate: M7PFUdA	*63.1 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*35.7 %*		*25-150*
Surrogate: M2PFTeDA	*42.3 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*22.7 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*102 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*85.8 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*63.4 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*51.7 %*		*25-150*

Sample Information

Client Sample ID: **MW-44** **York Sample ID:** **24D1556-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 2:45 pm	04/24/2024

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: d5-N-EtFOSAA	*46.7 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*220 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*78.6 %*			*25-200*						
	Surrogate: M9PFNA	*87.3 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*312 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*21.8 %*	PFSu-L		*25-150*						
	Surrogate: d-N-EtFOSA	*19.9 %*	PFSu-L		*25-150*						
	Surrogate: M3HFPO-DA	*96.2 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*24.1 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*29.2 %*			*25-150*						

Sample Information

Client Sample ID: **FMW-6** **York Sample ID:** **24D1556-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:30 pm	04/24/2024

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)**	**80.4**		ng/L	9.40	35.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**1040**		ng/L	7.00	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**896**	PF-CCV-L	ng/L	14.2	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**3210**		ng/L	13.6	36.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**1310**		ng/L	8.40	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**5290**		ng/L	16.4	37.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**799**		ng/L	10.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
335-76-2	**Perfluorodecanoic acid (PFDA)**	**314**		ng/L	15.0	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**9070**	PF-CCV-H	ng/L	22.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ

Sample Information

Client Sample ID: FMW-6 **York Sample ID:** 24D1556-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:30 pm	04/24/2024

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
307-55-1	**Perfluorododecanoic acid (PFDoA)**	**68.5**		ng/L	17.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
72629-94-8	**Perfluorotridecanoic acid (PFTrDA)**	**1250**		ng/L	14.8	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
376-06-7	*** Perfluorotetradecanoic acid (PFTA)**	**20.1**	J	ng/L	13.8	40.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	15.8	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	20.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**1470**		ng/L	4.60	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
754-91-6	*** Perfluoro-1-octanesulfonamide (FOSA)**	**24.5**	J	ng/L	17.6	40.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**134**		ng/L	18.2	38.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	26.4	38.6	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**1090**		ng/L	21.2	152	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
39108-34-4	**1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**962**		ng/L	41.0	154	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	6.60	160	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	10.0	71.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 16:55	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	42.8	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 16:55	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	5.00	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 16:55	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	7.40	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 16:55	ESJ
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**239**		ng/L	15.2	37.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	35.8	150	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	64.6	160	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	27.6	151	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	14.0	150	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
919005-14-4	ADONA	ND		ng/L	10.6	151	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	18.6	38.8	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:55	ESJ

Sample Information

Client Sample ID: **FMW-6** **York Sample ID:** **24D1556-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:30 pm	04/24/2024

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
68259-12-1	*** Perfluoro-1-nonanesulfonic acid (PFNS)**	**17.4**	J	ng/L	17.2	38.4	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 16:55	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	40.6	100	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:55	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	147	500	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:55	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	189	500	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:55	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	79.8	400	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:55	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	31.6	40.0	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:55	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	79.8	400	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:55	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	36.0	40.0	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 16:55	ESJ

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*97.1 %*		*25-150*
Surrogate: M5PFHxA	*91.4 %*		*25-150*
Surrogate: M4PFHpA	*123 %*		*25-150*
Surrogate: M3PFHxS	*95.0 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.7 %*		*25-150*
Surrogate: M6PFDA	*92.4 %*		*25-150*
Surrogate: M7PFUdA	*70.7 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*50.6 %*		*25-150*
Surrogate: M2PFTeDA	*40.5 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.38 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*108 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*37.8 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*90.8 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*65.8 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*57.3 %*		*25-150*
Surrogate: M2-6:2 FTS	*199 %*		*25-200*
Surrogate: M2-8:2 FTS	*90.3 %*		*25-200*
Surrogate: M9PFNA	*84.5 %*		*25-150*
Surrogate: M2-4:2 FTS	*190 %*	PFSu-H	*25-150*
Surrogate: d-N-MeFOSA	*50.8 %*		*25-150*

Sample Information

Client Sample ID: **FMW-6** **York Sample ID:** **24D1556-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:30 pm	04/24/2024

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: d-N-EtFOSA	*45.9 %*			*25-150*						
	Surrogate: M3HFPO-DA	*97.2 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*33.0 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*43.3 %*			*25-150*						

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **24D1556-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:00 pm	04/24/2024

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)**	**576**		ng/L	9.40	35.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**2300**		ng/L	7.00	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**402**	PF-CCV-L	ng/L	14.2	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**7690**		ng/L	13.6	36.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**12500**		ng/L	8.40	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**757**		ng/L	16.4	37.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**52.9**		ng/L	10.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	15.0	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	22.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	17.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	14.8	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	13.8	40.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	15.8	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ

Sample Information

Client Sample ID: **Field Duplicate**

York Sample ID: **24D1556-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:00 pm	04/24/2024

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	20.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**708**		ng/L	4.60	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	17.6	40.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**150**		ng/L	18.2	38.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	26.4	38.6	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**247**		ng/L	21.2	152	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	41.0	154	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**284**		ng/L	6.60	160	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	10.0	71.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 17:11	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	42.8	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 17:11	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	5.00	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 17:11	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	7.40	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 17:11	ESJ
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**817**		ng/L	15.2	37.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	35.8	150	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	64.6	160	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	27.6	151	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	14.0	150	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
919005-14-4	ADONA	ND		ng/L	10.6	151	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	18.6	38.8	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:11	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	17.2	38.4	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:11	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	40.6	100	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:11	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	147	500	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:11	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	189	500	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:11	ESJ

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **24D1556-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 23, 2024 3:00 pm	04/24/2024

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	79.8	400	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:11	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	31.6	40.0	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:11	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	79.8	400	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:11	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	36.0	40.0	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:11	ESJ

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*90.4 %*		*25-150*
Surrogate: M5PFHxA	*77.9 %*		*25-150*
Surrogate: M4PFHpA	*103 %*		*25-150*
Surrogate: M3PFHxS	*88.9 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*73.6 %*		*25-150*
Surrogate: M6PFDA	*71.1 %*		*25-150*
Surrogate: M7PFUdA	*51.5 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*26.3 %*		*25-150*
Surrogate: M2PFTeDA	*23.2 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*8.26 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*84.3 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*63.7 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*65.5 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*40.0 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*31.2 %*		*25-150*
Surrogate: M2-6:2 FTS	*196 %*		*25-200*
Surrogate: M2-8:2 FTS	*73.6 %*		*25-200*
Surrogate: M9PFNA	*85.1 %*		*25-150*
Surrogate: M2-4:2 FTS	*195 %*	PFSu-H	*25-150*
Surrogate: d-N-MeFOSA	*31.3 %*		*25-150*
Surrogate: d-N-EtFOSA	*20.8 %*	PFSu-L	*25-150*
Surrogate: M3HFPO-DA	*89.6 %*		*25-150*
Surrogate: d9-N-EtFOSE	*13.9 %*	PFSu-L	*25-150*
Surrogate: d7-N-MeFOSE	*15.1 %*	PFSu-L	*25-150*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1556-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Water	April 23, 2024 3:50 pm	04/24/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:57	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:57	SCB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:57	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:57	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1556-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Water	April 23, 2024 3:50 pm	04/24/2024

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
67-64-1	Acetone	ND	CCVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
107-02-8	Acrolein	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:57	SCB
75-27-4	**Bromodichloromethane**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/01/2024 08:00	05/01/2024 14:57	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
67-66-3	**Chloroform**	**2.4**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/01/2024 08:00	05/01/2024 14:57	SCB
74-87-3	Chloromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:57	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:57	SCB
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:57	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:57	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB

Sample Information

Client Sample ID: **Field Blank** | **York Sample ID:** **24D1556-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Water	April 23, 2024 3:50 pm	04/24/2024

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
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:57	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:57	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/01/2024 08:00	05/01/2024 14:57	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/01/2024 08:00	05/01/2024 14:57	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/01/2024 08:00	05/01/2024 14:57	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/01/2024 08:00	05/01/2024 14:57	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*69-130*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1556-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Water	April 23, 2024 3:50 pm	04/24/2024

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
2037-26-5	*Surrogate: SURR: Toluene-d8*	*105 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*94.3 %*			*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	0.440	1.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.328	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CCV-L	ng/L	0.665	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.636	1.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.393	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.767	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.487	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.702	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.06	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.824	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.693	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.646	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.739	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	0.964	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.215	3.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.824	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.852	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.24	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	0.992	7.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1556-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Water	April 23, 2024 3:50 pm	04/24/2024

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
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	05/01/2024 09:00	05/02/2024 17:27	ESJ
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	05/01/2024 09:00	05/02/2024 17:27	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.468	3.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 17:27	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.00	3.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 17:27	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.234	3.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 17:27	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.346	3.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/01/2024 09:00	05/02/2024 17:27	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.711	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
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	05/01/2024 09:00	05/02/2024 17:27	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.02	7.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.29	7.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.655	7.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
919005-14-4	ADONA	ND		ng/L	0.496	7.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.870	1.82	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:27	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.805	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/01/2024 09:00	05/02/2024 17:27	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.90	4.68	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:27	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.86	23.4	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:27	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.86	23.4	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:27	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.73	18.7	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:27	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.48	1.87	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:27	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.73	18.7	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:27	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.68	1.87	1	EPA 1633 Draft 3 Certifications:	05/01/2024 09:00	05/02/2024 17:27	ESJ

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*77.9 %*		*25-150*
Surrogate: M5PFHxA	*89.9 %*		*25-150*
Surrogate: M4PFHpA	*150 %*	PFSu-H	*25-150*

Sample Information

Client Sample ID:	**Field Blank**		**York Sample ID:**	**24D1556-11**
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Water	April 23, 2024 3:50 pm	04/24/2024

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: M3PFHxS	*100 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.3 %*			*25-150*						
	Surrogate: M6PFDA	*87.7 %*			*25-150*						
	Surrogate: M7PFUdA	*82.0 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*44.2 %*			*25-150*						
	Surrogate: M2PFTeDA	*37.6 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.31 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*113 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*25.5 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*88.5 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*63.0 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*54.5 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*186 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*94.2 %*			*25-200*						
	Surrogate: M9PFNA	*84.2 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*160 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*61.9 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*37.7 %*			*25-150*						
	Surrogate: M3HFPO-DA	*96.6 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*23.6 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*32.5 %*			*25-150*						

Sample Information

Client Sample ID:	**Trip Blank**		**York Sample ID:**	**24D1556-12**
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Water	April 23, 2024 3:00 pm	04/24/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **24D1556-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Water	April 23, 2024 3:00 pm	04/24/2024

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
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 18:51	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 18:51	SCB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 18:51	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 18:51	SCB
78-93-3	2-Butanone	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
67-64-1	**Acetone**	**1.3**	J	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 08:00	04/30/2024 18:51	SCB

Sample Information

Client Sample ID: **Trip Blank**

York Sample ID: **24D1556-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Water	April 23, 2024 3:00 pm	04/24/2024

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	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 18:51	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
67-66-3	**Chloroform**	**0.81**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 08:00	04/30/2024 18:51	SCB
74-87-3	Chloromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 18:51	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 18:51	SCB
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 18:51	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 18:51	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 08:00	04/30/2024 18:51	SCB
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 08:00	04/30/2024 18:51	SCB

Sample Information

Client Sample ID: **Trip Blank**

York Sample ID: **24D1556-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Water	April 23, 2024 3:00 pm	04/24/2024

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	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.50	1.0	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D	04/30/2024 08:00	04/30/2024 18:51	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*91.5 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*110 %*	*81-117*

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **24D1556-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1556	31402218.000 - Westchester County Airport (WCA)	Water	April 23, 2024 3:00 pm	04/24/2024

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*	*117 %*			*79-122*						

Analytical Batch Summary

Batch ID: BD42248 **Preparation Method:** EPA 5030B **Prepared By:** DS

YORK Sample ID	Client Sample ID	Preparation Date
24D1556-02	FMW-15	04/30/24
24D1556-04	FMW-14	04/30/24
24D1556-05	MW-64	04/30/24
24D1556-12	Trip Blank	04/30/24
BD42248-BLK1	Blank	04/30/24
BD42248-BS1	LCS	04/30/24
BD42248-BSD1	LCS Dup	04/30/24

Batch ID: BE40013 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24D1556-07	MW-43	05/01/24
24D1556-11	Field Blank	05/01/24
BE40013-BLK1	Blank	05/01/24
BE40013-BS1	LCS	05/01/24
BE40013-BSD1	LCS Dup	05/01/24

Batch ID: BE40039 **Preparation Method:** EPA 1633 Prep **Prepared By:** KFH

YORK Sample ID	Client Sample ID	Preparation Date
24D1556-01	FMW-16	05/01/24
24D1556-01RE1	FMW-16	05/01/24
24D1556-02	FMW-15	05/01/24
24D1556-03	MW-52	05/01/24
24D1556-04	FMW-14	05/01/24
24D1556-05	MW-64	05/01/24
24D1556-05RE1	MW-64	05/01/24
24D1556-06	MW-63	05/01/24
24D1556-06RE1	MW-63	05/01/24
24D1556-07	MW-43	05/01/24
24D1556-08	MW-44	05/01/24
24D1556-09	FMW-6	05/01/24
24D1556-10	Field Duplicate	05/01/24
24D1556-11	Field Blank	05/01/24
BE40039-BLK1	Blank	05/01/24
BE40039-BLK2	Blank	05/01/24
BE40039-BLK3	Blank	05/01/24
BE40039-BS1	LCS	05/01/24

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 BD42248 - EPA 5030B											
Blank (BD42248-BLK1)							Prepared & Analyzed: 04/30/2024				
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	0.40	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Batch BD42248 - EPA 5030B

Blank (BD42248-BLK1) Prepared & Analyzed: 04/30/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.40*		*"*	*10.0*		*94.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.57*		*"*	*10.0*		*95.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				

LCS (BD42248-BS1) Prepared & Analyzed: 04/30/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		100	82-126				
1,1,1-Trichloroethane	11		"	10.0		111	78-136				
1,1,2,2-Tetrachloroethane	9.7		"	10.0		96.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		116	54-165				
1,1,2-Trichloroethane	9.7		"	10.0		97.1	82-123				
1,1-Dichloroethane	11		"	10.0		107	82-129				
1,1-Dichloroethylene	12		"	10.0		119	68-138				
1,2,3-Trichlorobenzene	9.4		"	10.0		93.6	40-130				
1,2,3-Trichloropropane	9.3		"	10.0		93.4	77-128				
1,2,4-Trichlorobenzene	8.8		"	10.0		87.9	65-137				
1,2,4-Trimethylbenzene	9.8		"	10.0		98.0	82-132				
1,2-Dibromo-3-chloropropane	8.3		"	10.0		82.8	45-147				
1,2-Dibromoethane	10		"	10.0		102	83-124				
1,2-Dichlorobenzene	9.8		"	10.0		98.1	79-123				
1,2-Dichloroethane	11		"	10.0		106	73-132				
1,2-Dichloropropane	10		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	9.7		"	10.0		97.4	80-131				
1,3-Dichlorobenzene	9.7		"	10.0		97.3	86-130				
1,4-Dichlorobenzene	9.6		"	10.0		96.3	85-130				
1,4-Dioxane	120		"	210		57.7	10-349				
2-Butanone	9.0		"	10.0		89.9	49-152				
2-Hexanone	7.9		"	10.0		79.3	51-146				
4-Methyl-2-pentanone	9.0		"	10.0		90.5	57-145				
Acetone	6.3		"	10.0		62.8	14-150				
Acrolein	9.9		"	10.0		99.3	10-153				
Acrylonitrile	11		"	10.0		107	51-150				

Batch BD42248 - EPA 5030B

LCS (BD42248-BS1) Prepared & Analyzed: 04/30/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Benzene	11		ug/L	10.0		110	85-126				
Bromochloromethane	11		"	10.0		108	77-128				
Bromodichloromethane	9.9		"	10.0		98.6	79-128				
Bromoform	11		"	10.0		106	78-133				
Bromomethane	9.6		"	10.0		95.5	43-168				
Carbon disulfide	12		"	10.0		123	68-146				
Carbon tetrachloride	12		"	10.0		116	77-141				
Chlorobenzene	11		"	10.0		107	88-120				
Chloroethane	11		"	10.0		110	65-136				
Chloroform	11		"	10.0		107	82-128				
Chloromethane	9.5		"	10.0		94.7	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		107	83-129				
cis-1,3-Dichloropropylene	9.9		"	10.0		98.9	80-131				
Cyclohexane	12		"	10.0		116	63-149				
Dibromochloromethane	10		"	10.0		101	80-130				
Dibromomethane	9.6		"	10.0		95.8	72-134				
Dichlorodifluoromethane	12		"	10.0		122	44-144				
Ethyl Benzene	10		"	10.0		104	80-131				
Hexachlorobutadiene	10		"	10.0		104	67-146				
Isopropylbenzene	10		"	10.0		101	76-140				
Methyl acetate	10		"	10.0		103	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		104	76-135				
Methylcyclohexane	11		"	10.0		105	72-143				
Methylene chloride	11		"	10.0		113	55-137				
n-Butylbenzene	10		"	10.0		100	79-132				
n-Propylbenzene	10		"	10.0		101	78-133				
o-Xylene	10		"	10.0		105	78-130				
p- & m- Xylenes	21		"	20.0		107	77-133				
p-Isopropyltoluene	10		"	10.0		102	81-136				
sec-Butylbenzene	10		"	10.0		103	79-137				
Styrene	10		"	10.0		104	67-132				
tert-Butyl alcohol (TBA)	18		"	50.0		36.8	25-162				
tert-Butylbenzene	10		"	10.0		102	77-138				
Tetrachloroethylene	5.7		"	10.0		56.7	82-131	Low Bias			
Toluene	10		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		112	80-132				
trans-1,3-Dichloropropylene	9.8		"	10.0		98.3	78-131				
trans-1,4-dichloro-2-butene	9.5		"	10.0		94.8	63-141				
Trichloroethylene	9.8		"	10.0		98.2	82-128				
Trichlorofluoromethane	12		"	10.0		116	67-139				
Vinyl Chloride	11		"	10.0		113	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.37*		"	*10.0*		*93.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.53*		"	*10.0*		*95.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.90*		"	*10.0*		*99.0*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BD42248 - EPA 5030B

LCS Dup (BD42248-BSD1) Prepared & Analyzed: 04/30/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		104	82-126		3.13	30	
1,1,1-Trichloroethane	11		"	10.0		112	78-136		0.894	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		102	76-129		5.24	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		116	54-165		0.00	30	
1,1,2-Trichloroethane	10		"	10.0		103	82-123		6.19	30	
1,1-Dichloroethane	11		"	10.0		110	82-129		2.59	30	
1,1-Dichloroethylene	12		"	10.0		119	68-138		0.504	30	
1,2,3-Trichlorobenzene	14		"	10.0		136	40-130	High Bias	36.6	30	Non-dir.
1,2,3-Trichloropropane	9.6		"	10.0		95.9	77-128		2.64	30	
1,2,4-Trichlorobenzene	10		"	10.0		105	65-137		17.4	30	
1,2,4-Trimethylbenzene	9.5		"	10.0		95.3	82-132		2.79	30	
1,2-Dibromo-3-chloropropane	9.0		"	10.0		90.4	45-147		8.78	30	
1,2-Dibromoethane	11		"	10.0		108	83-124		5.72	30	
1,2-Dichlorobenzene	10		"	10.0		99.8	79-123		1.72	30	
1,2-Dichloroethane	11		"	10.0		111	73-132		4.34	30	
1,2-Dichloropropane	10		"	10.0		104	78-126		1.74	30	
1,3,5-Trimethylbenzene	9.3		"	10.0		93.3	80-131		4.30	30	
1,3-Dichlorobenzene	9.6		"	10.0		96.3	86-130		1.03	30	
1,4-Dichlorobenzene	9.6		"	10.0		95.6	85-130		0.730	30	
1,4-Dioxane	130		"	210		64.3	10-349		10.8	30	
2-Butanone	9.6		"	10.0		96.0	49-152		6.56	30	
2-Hexanone	9.0		"	10.0		89.7	51-146		12.3	30	
4-Methyl-2-pentanone	10		"	10.0		101	57-145		11.1	30	
Acetone	6.7		"	10.0		66.7	14-150		6.02	30	
Acrolein	11		"	10.0		109	10-153		9.04	30	
Acrylonitrile	11		"	10.0		113	51-150		5.90	30	
Benzene	11		"	10.0		111	85-126		1.36	30	
Bromochloromethane	11		"	10.0		111	77-128		2.92	30	
Bromodichloromethane	10		"	10.0		102	79-128		3.49	30	
Bromoform	11		"	10.0		113	78-133		6.48	30	
Bromomethane	9.8		"	10.0		98.3	43-168		2.89	30	
Carbon disulfide	12		"	10.0		123	68-146		0.162	30	
Carbon tetrachloride	12		"	10.0		116	77-141		0.518	30	
Chlorobenzene	11		"	10.0		108	88-120		1.30	30	
Chloroethane	11		"	10.0		112	65-136		2.07	30	
Chloroform	11		"	10.0		110	82-128		2.30	30	
Chloromethane	9.2		"	10.0		92.5	43-155		2.35	30	
cis-1,2-Dichloroethylene	11		"	10.0		109	83-129		1.48	30	
cis-1,3-Dichloropropylene	10		"	10.0		103	80-131		4.35	30	
Cyclohexane	12		"	10.0		117	63-149		0.602	30	
Dibromochloromethane	11		"	10.0		106	80-130		4.63	30	
Dibromomethane	10		"	10.0		101	72-134		4.89	30	
Dichlorodifluoromethane	12		"	10.0		122	44-144		0.245	30	
Ethyl Benzene	10		"	10.0		104	80-131		0.0964	30	
Hexachlorobutadiene	11		"	10.0		112	67-146		6.93	30	
Isopropylbenzene	9.7		"	10.0		97.3	76-140		4.13	30	
Methyl acetate	11		"	10.0		111	51-139		7.19	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		113	76-135		8.17	30	
Methylcyclohexane	11		"	10.0		106	72-143		0.662	30	
Methylene chloride	12		"	10.0		115	55-137		2.11	30	

Batch BD42248 - EPA 5030B

LCS Dup (BD42248-BSD1) Prepared & Analyzed: 04/30/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
n-Butylbenzene	9.7		ug/L	10.0		96.6	79-132		3.56	30	
n-Propylbenzene	9.6		"	10.0		96.0	78-133		4.98	30	
o-Xylene	11		"	10.0		105	78-130		0.476	30	
p- & m- Xylenes	21		"	20.0		107	77-133		0.280	30	
p-Isopropyltoluene	9.7		"	10.0		97.4	81-136		4.22	30	
sec-Butylbenzene	9.9		"	10.0		98.9	79-137		4.35	30	
Styrene	10		"	10.0		105	67-132		0.768	30	
tert-Butyl alcohol (TBA)	54		"	50.0		108	25-162		98.0	30	Non-dir.
tert-Butylbenzene	9.8		"	10.0		97.7	77-138		4.31	30	
Tetrachloroethylene	5.6		"	10.0		56.0	82-131	Low Bias	1.24	30	
Toluene	10		"	10.0		102	80-127		0.789	30	
trans-1,2-Dichloroethylene	11		"	10.0		112	80-132		0.893	30	
trans-1,3-Dichloropropylene	10		"	10.0		104	78-131		5.44	30	
trans-1,4-dichloro-2-butene	9.8		"	10.0		97.6	63-141		2.91	30	
Trichloroethylene	9.9		"	10.0		98.7	82-128		0.508	30	
Trichlorofluoromethane	12		"	10.0		116	67-139		0.00	30	
Vinyl Chloride	11		"	10.0		114	58-145		0.707	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.61*		*"*	*10.0*		*96.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.40*		*"*	*10.0*		*94.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.60*		*"*	*10.0*		*96.0*	*79-122*				

Batch BE40013 - EPA 5030B

Blank (BE40013-BLK1) Prepared & Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.79	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

Batch BE40013 - EPA 5030B

Blank (BE40013-BLK1) Prepared & Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	0.71	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.61*		*"*	*10.0*		*96.1*	*79-122*				

Batch BE40013 - EPA 5030B

LCS (BE40013-BS1) Prepared & Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		109	82-126				
1,1,1-Trichloroethane	9.7		"	10.0		96.8	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.8		"	10.0		98.5	54-165				
1,1,2-Trichloroethane	11		"	10.0		109	82-123				
1,1-Dichloroethane	9.4		"	10.0		93.7	82-129				
1,1-Dichloroethylene	10		"	10.0		103	68-138				
1,2,3-Trichlorobenzene	37		"	10.0		373	40-130	High Bias			
1,2,3-Trichloropropane	10		"	10.0		102	77-128				
1,2,4-Trichlorobenzene	18		"	10.0		178	65-137	High Bias			
1,2,4-Trimethylbenzene	10		"	10.0		104	82-132				
1,2-Dibromo-3-chloropropane	12		"	10.0		115	45-147				
1,2-Dibromoethane	11		"	10.0		113	83-124				
1,2-Dichlorobenzene	11		"	10.0		114	79-123				
1,2-Dichloroethane	9.3		"	10.0		93.2	73-132				
1,2-Dichloropropane	11		"	10.0		110	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131				
1,3-Dichlorobenzene	11		"	10.0		108	86-130				
1,4-Dichlorobenzene	11		"	10.0		107	85-130				
1,4-Dioxane	150		"	210		69.4	10-349				
2-Butanone	8.5		"	10.0		85.1	49-152				
2-Hexanone	10		"	10.0		99.5	51-146				
4-Methyl-2-pentanone	11		"	10.0		109	57-145				
Acetone	5.6		"	10.0		55.8	14-150				
Acrolein	8.6		"	10.0		86.5	10-153				
Acrylonitrile	9.7		"	10.0		97.3	51-150				
Benzene	9.6		"	10.0		95.5	85-126				
Bromochloromethane	9.9		"	10.0		98.6	77-128				
Bromodichloromethane	11		"	10.0		106	79-128				
Bromoform	12		"	10.0		122	78-133				
Bromomethane	8.4		"	10.0		84.3	43-168				
Carbon disulfide	10		"	10.0		104	68-146				
Carbon tetrachloride	10		"	10.0		99.5	77-141				
Chlorobenzene	11		"	10.0		114	88-120				
Chloroethane	9.6		"	10.0		96.1	65-136				
Chloroform	9.3		"	10.0		93.2	82-128				
Chloromethane	7.4		"	10.0		74.1	43-155				
cis-1,2-Dichloroethylene	9.5		"	10.0		94.7	83-129				
cis-1,3-Dichloropropylene	11		"	10.0		109	80-131				
Cyclohexane	10		"	10.0		104	63-149				
Dibromochloromethane	11		"	10.0		111	80-130				
Dibromomethane	10		"	10.0		104	72-134				
Dichlorodifluoromethane	8.4		"	10.0		84.0	44-144				
Ethyl Benzene	11		"	10.0		111	80-131				
Hexachlorobutadiene	22		"	10.0		215	67-146	High Bias			
Isopropylbenzene	10		"	10.0		103	76-140				
Methyl acetate	9.6		"	10.0		96.3	51-139				
Methyl tert-butyl ether (MTBE)	9.8		"	10.0		97.8	76-135				
Methylcyclohexane	12		"	10.0		116	72-143				
Methylene chloride	9.8		"	10.0		98.5	55-137				

Batch BE40013 - EPA 5030B

LCS (BE40013-BS1) Prepared & Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
n-Butylbenzene	12		ug/L	10.0		116	79-132				
n-Propylbenzene	10		"	10.0		104	78-133				
o-Xylene	11		"	10.0		113	78-130				
p- & m- Xylenes	23		"	20.0		115	77-133				
p-Isopropyltoluene	11		"	10.0		110	81-136				
sec-Butylbenzene	11		"	10.0		111	79-137				
Styrene	11		"	10.0		113	67-132				
tert-Butyl alcohol (TBA)	56		"	50.0		113	25-162				
tert-Butylbenzene	11		"	10.0		107	77-138				
Tetrachloroethylene	6.0		"	10.0		60.4	82-131	Low Bias			
Toluene	11		"	10.0		107	80-127				
trans-1,2-Dichloroethylene	9.8		"	10.0		97.6	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		111	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		108	63-141				
Trichloroethylene	10		"	10.0		104	82-128				
Trichlorofluoromethane	9.8		"	10.0		98.5	67-139				
Vinyl Chloride	9.4		"	10.0		94.3	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.08*		*"*	*10.0*		*90.8*	*79-122*				

LCS Dup (BE40013-BSD1) Prepared & Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126		6.17	30	
1,1,1-Trichloroethane	8.9		"	10.0		88.6	78-136		8.85	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		102	76-129		6.61	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.0		"	10.0		90.3	54-165		8.69	30	
1,1,2-Trichloroethane	10		"	10.0		102	82-123		6.85	30	
1,1-Dichloroethane	8.7		"	10.0		87.1	82-129		7.30	30	
1,1-Dichloroethylene	9.5		"	10.0		95.1	68-138		7.98	30	
1,2,3-Trichlorobenzene	37		"	10.0		374	40-130	High Bias	0.322	30	
1,2,3-Trichloropropane	9.6		"	10.0		96.4	77-128		5.45	30	
1,2,4-Trichlorobenzene	21		"	10.0		212	65-137	High Bias	17.2	30	
1,2,4-Trimethylbenzene	9.8		"	10.0		97.5	82-132		6.36	30	
1,2-Dibromo-3-chloropropane	12		"	10.0		118	45-147		1.97	30	
1,2-Dibromoethane	11		"	10.0		106	83-124		6.39	30	
1,2-Dichlorobenzene	11		"	10.0		108	79-123		5.59	30	
1,2-Dichloroethane	8.9		"	10.0		88.7	73-132		4.95	30	
1,2-Dichloropropane	10		"	10.0		103	78-126		6.20	30	
1,3,5-Trimethylbenzene	9.5		"	10.0		94.8	80-131		7.02	30	
1,3-Dichlorobenzene	10		"	10.0		101	86-130		6.81	30	
1,4-Dichlorobenzene	10		"	10.0		100	85-130		6.55	30	
1,4-Dioxane	130		"	210		62.6	10-349		10.3	30	
2-Butanone	7.8		"	10.0		78.4	49-152		8.20	30	
2-Hexanone	9.2		"	10.0		91.5	51-146		8.38	30	
4-Methyl-2-pentanone	10		"	10.0		102	57-145		6.15	30	
Acetone	5.3		"	10.0		53.2	14-150		4.77	30	
Acrolein	7.7		"	10.0		76.6	10-153		12.1	30	
Acrylonitrile	9.4		"	10.0		94.2	51-150		3.24	30	
Benzene	8.8		"	10.0		88.3	85-126		7.83	30	
Bromochloromethane	9.2		"	10.0		91.8	77-128		7.14	30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40013 - EPA 5030B											
LCS Dup (BE40013-BSD1)							Prepared & Analyzed: 05/01/2024				
Bromodichloromethane	9.9		ug/L	10.0		99.4	79-128		6.24	30	
Bromoform	11		"	10.0		114	78-133		6.27	30	
Bromomethane	7.6		"	10.0		75.7	43-168		10.8	30	
Carbon disulfide	9.6		"	10.0		95.6	68-146		8.80	30	
Carbon tetrachloride	9.1		"	10.0		90.7	77-141		9.25	30	
Chlorobenzene	11		"	10.0		108	88-120		6.21	30	
Chloroethane	8.8		"	10.0		87.7	65-136		9.14	30	
Chloroform	8.7		"	10.0		86.8	82-128		7.11	30	
Chloromethane	7.2		"	10.0		71.7	43-155		3.29	30	
cis-1,2-Dichloroethylene	8.8		"	10.0		87.9	83-129		7.45	30	
cis-1,3-Dichloropropylene	10		"	10.0		102	80-131		7.03	30	
Cyclohexane	9.5		"	10.0		95.2	63-149		8.84	30	
Dibromochloromethane	10		"	10.0		104	80-130		6.22	30	
Dibromomethane	9.9		"	10.0		99.4	72-134		4.72	30	
Dichlorodifluoromethane	7.9		"	10.0		79.2	44-144		5.88	30	
Ethyl Benzene	10		"	10.0		104	80-131		6.97	30	
Hexachlorobutadiene	22		"	10.0		219	67-146	High Bias	1.80	30	
Isopropylbenzene	9.6		"	10.0		96.0	76-140		7.42	30	
Methyl acetate	8.8		"	10.0		88.0	51-139		9.01	30	
Methyl tert-butyl ether (MTBE)	8.9		"	10.0		89.3	76-135		9.09	30	
Methylcyclohexane	11		"	10.0		106	72-143		8.72	30	
Methylene chloride	9.4		"	10.0		93.6	55-137		5.10	30	
n-Butylbenzene	11		"	10.0		109	79-132		5.78	30	
n-Propylbenzene	9.6		"	10.0		96.5	78-133		7.77	30	
o-Xylene	11		"	10.0		106	78-130		6.28	30	
p- & m- Xylenes	22		"	20.0		108	77-133		6.74	30	
p-Isopropyltoluene	10		"	10.0		104	81-136		6.07	30	
sec-Butylbenzene	10		"	10.0		104	79-137		7.26	30	
Styrene	11		"	10.0		106	67-132		6.47	30	
tert-Butyl alcohol (TBA)	50		"	50.0		99.0	25-162		13.1	30	
tert-Butylbenzene	10		"	10.0		99.6	77-138		7.35	30	
Tetrachloroethylene	5.6		"	10.0		56.0	82-131	Low Bias	7.56	30	
Toluene	10		"	10.0		100	80-127		7.04	30	
trans-1,2-Dichloroethylene	8.9		"	10.0		88.7	80-132		9.55	30	
trans-1,3-Dichloropropylene	10		"	10.0		104	78-131		6.99	30	
trans-1,4-dichloro-2-butene	10		"	10.0		101	63-141		6.53	30	
Trichloroethylene	9.6		"	10.0		95.9	82-128		8.49	30	
Trichlorofluoromethane	9.0		"	10.0		90.3	67-139		8.69	30	
Vinyl Chloride	8.6		"	10.0		85.7	58-145		9.56	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.85*		"	*10.0*		*98.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.6*		"	*10.0*		*106*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.04*		"	*10.0*		*90.4*	*79-122*				

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

York Analytical Laboratories, Inc. - Stratford

Batch BE40039 - EPA 1633 Prep

Blank (BE40039-BLK1) Prepared & Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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-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	*15.7*		*"*	*23.3*		*67.3*	*25-150*				
Surrogate: M5PFHxA	*17.0*		*"*	*25.0*		*68.1*	*25-150*				
Surrogate: M4PFHpA	*30.8*		*"*	*25.0*		*123*	*25-150*				
Surrogate: M3PFHxS	*19.7*		*"*	*23.7*		*83.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*17.3*		*"*	*25.0*		*69.3*	*25-150*				
Surrogate: M6PFDA	*9.95*		*"*	*12.5*		*79.6*	*25-150*				
Surrogate: M7PFUdA	*8.29*		*"*	*12.5*		*66.3*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40039 - EPA 1633 Prep											
Blank (BE40039-BLK1)								Prepared & Analyzed: 05/01/2024			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.03*		*ng/L*	*12.5*		*40.3*	*25-150*				
Surrogate: M2PFTeDA	*2.86*		*"*	*12.5*		*22.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.02*		*"*	*100*		*1.02*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*19.3*		*"*	*24.0*		*80.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*11.1*		*"*	*50.0*		*22.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*16.7*		*"*	*25.0*		*66.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*24.1*		*"*	*50.0*		*48.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*23.5*		*"*	*50.0*		*47.0*	*25-150*				
Surrogate: M2-6:2 FTS	*70.3*		*"*	*47.6*		*148*	*25-200*				
Surrogate: M2-8:2 FTS	*33.4*		*"*	*48.0*		*69.6*	*25-200*				
Surrogate: M9PFNA	*9.90*		*"*	*12.5*		*79.2*	*25-150*				
Surrogate: M2-4:2 FTS	*61.8*		*"*	*46.9*		*132*	*25-150*				
Surrogate: d-N-MeFOSA	*9.48*		*"*	*25.0*		*37.9*	*25-150*				
Surrogate: d-N-EtFOSA	*5.45*		*"*	*25.0*		*21.8*	*25-150*				
Surrogate: M3HFPO-DA	*71.2*		*"*	*100*		*71.2*	*25-150*				
Surrogate: d9-N-EtFOSE	*30.0*		*"*	*250*		*12.0*	*25-150*				
Surrogate: d7-N-MeFOSE	*42.8*		*"*	*250*		*17.1*	*25-150*				
Blank (BE40039-BLK2)								Prepared: 05/01/2024 Analyzed: 05/02/2024			
Perfluorobutanesulfonic acid (PFBS)	ND	1.70	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	1.92	"								
Perfluoroheptanoic acid (PFHpA)	ND	1.92	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.76	"								
Perfluorooctanoic acid (PFOA)	ND	1.92	"								
Perfluorooctanesulfonic acid (PFOS)	0.796	1.79	"								
Perfluorononanoic acid (PFNA)	ND	1.92	"								
Perfluorodecanoic acid (PFDA)	ND	1.92	"								
Perfluoroundecanoic acid (PFUnA)	ND	1.92	"								
Perfluorododecanoic acid (PFDoA)	ND	1.92	"								
Perfluorotridecanoic acid (PFTrDA)	ND	1.92	"								
Perfluorotetradecanoic acid (PFTA)	ND	1.92	"								
N-MeFOSAA	ND	1.92	"								
N-EtFOSAA	ND	1.92	"								
Perfluoropentanoic acid (PFPeA)	ND	3.85	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.92	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.84	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.31	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.38	"								
Perfluoro-n-butanoic acid (PFBA)	ND	7.69	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.42	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.85	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.85	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.85	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.81	"								

Batch BE40039 - EPA 1633 Prep

Blank (BE40039-BLK2) Prepared: 05/01/2024 Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.21	ng/L								
HFPO-DA (Gen-X)	ND	7.69	"								
11CL-PF3OUdS	ND	7.27	"								
9CL-PF3ONS	ND	7.19	"								
ADONA	ND	7.27	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.86	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.85	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.81	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	24.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	24.0	"								
N-MeFOSE	ND	19.2	"								
N-MeFOSA	ND	1.92	"								
N-EtFOSE	ND	19.2	"								
N-EtFOSA	ND	1.92	"								
Surrogate: M3PFBS	*12.4*		"	*22.4*		*55.3*	*25-150*				
Surrogate: M5PFHxA	*14.2*		"	*24.0*		*59.2*	*25-150*				
Surrogate: M4PFHpA	*26.7*		"	*24.0*		*111*	*25-150*				
Surrogate: M3PFHxS	*16.8*		"	*22.8*		*73.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*15.8*		"	*24.0*		*65.6*	*25-150*				
Surrogate: M6PFDA	*8.44*		"	*12.0*		*70.3*	*25-150*				
Surrogate: M7PFUdA	*6.22*		"	*12.0*		*51.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.55*		"	*12.0*		*21.2*	*25-150*				
Surrogate: M2PFTeDA	*0.962*		"	*12.0*		*8.01*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*0.736*		"	*96.1*		*0.765*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*14.8*		"	*23.0*		*64.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*7.24*		"	*48.1*		*15.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*12.6*		"	*24.0*		*52.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*15.0*		"	*48.1*		*31.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*12.9*		"	*48.1*		*26.8*	*25-150*				
Surrogate: M2-6:2 FTS	*61.9*		"	*45.7*		*135*	*25-200*				
Surrogate: M2-8:2 FTS	*21.9*		"	*46.1*		*47.5*	*25-200*				
Surrogate: M9PFNA	*8.19*		"	*12.0*		*68.2*	*25-150*				
Surrogate: M2-4:2 FTS	*54.5*		"	*45.1*		*121*	*25-150*				
Surrogate: d-N-MeFOSA	*7.32*		"	*24.0*		*30.5*	*25-150*				
Surrogate: d-N-EtFOSA	*4.93*		"	*24.0*		*20.5*	*25-150*				
Surrogate: M3HFPO-DA	*62.2*		"	*96.1*		*64.7*	*25-150*				
Surrogate: d9-N-EtFOSE	*9.22*		"	*240*		*3.84*	*25-150*				
Surrogate: d7-N-MeFOSE	*15.7*		"	*240*		*6.52*	*25-150*				

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

Batch BE40039 - EPA 1633 Prep

Blank (BE40039-BLK3) Prepared: 05/01/2024 Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	ND	1.74	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	1.96	"								
Perfluoroheptanoic acid (PFHpA)	ND	1.96	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.80	"								
Perfluorooctanoic acid (PFOA)	ND	1.96	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.83	"								
Perfluorononanoic acid (PFNA)	ND	1.96	"								
Perfluorodecanoic acid (PFDA)	ND	1.96	"								
Perfluoroundecanoic acid (PFUnA)	ND	1.96	"								
Perfluorododecanoic acid (PFDoA)	ND	1.96	"								
Perfluorotridecanoic acid (PFTrDA)	ND	1.96	"								
Perfluorotetradecanoic acid (PFTA)	ND	1.96	"								
N-MeFOSAA	ND	1.96	"								
N-EtFOSAA	ND	1.96	"								
Perfluoropentanoic acid (PFPeA)	ND	3.93	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.96	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.87	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.89	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.46	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.54	"								
Perfluoro-n-butanoic acid (PFBA)	ND	7.85	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.49	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.93	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.93	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.93	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.85	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.36	"								
HFPO-DA (Gen-X)	ND	7.85	"								
11CL-PF3OUdS	ND	7.42	"								
9CL-PF3ONS	ND	7.34	"								
ADONA	ND	7.42	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.90	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	0.866	1.88	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.91	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	24.5	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	24.5	"								
N-MeFOSE	ND	19.6	"								
N-MeFOSA	ND	1.96	"								
N-EtFOSE	ND	19.6	"								
N-EtFOSA	ND	1.96	"								
Surrogate: M3PFBS	*14.5*		*"*	*22.9*		*63.2*	*25-150*				
Surrogate: M5PFHxA	*15.2*		*"*	*24.5*		*61.8*	*25-150*				
Surrogate: M4PFHpA	*23.2*		*"*	*24.5*		*94.5*	*25-150*				
Surrogate: M3PFHxS	*14.3*		*"*	*23.3*		*61.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*14.0*		*"*	*24.5*		*57.1*	*25-150*				
Surrogate: M6PFDA	*3.01*		*"*	*12.3*		*24.5*	*25-150*				
Surrogate: M7PFUdA	*0.880*		*"*	*12.3*		*7.18*	*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 BE40039 - EPA 1633 Prep											
Blank (BE40039-BLK3)								Prepared: 05/01/2024 Analyzed: 05/02/2024			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*0.152*		*ng/L*	*12.3*		*1.24*	*25-150*				
Surrogate: M2PFTeDA	*0.0198*		*"*	*12.3*		*0.161*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*2.02*		*"*	*98.2*		*2.05*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*7.10*		*"*	*23.5*		*30.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*10.2*		*"*	*49.1*		*20.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*5.24*		*"*	*24.5*		*21.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.41*		*"*	*49.1*		*4.92*	*25-150*				
Surrogate: d5-N-EtFOSAA	*1.53*		*"*	*49.1*		*3.11*	*25-150*				
Surrogate: M2-6:2 FTS	*60.8*		*"*	*46.7*		*130*	*25-200*				
Surrogate: M2-8:2 FTS	*8.02*		*"*	*47.1*		*17.0*	*25-200*				
Surrogate: M9PFNA	*5.26*		*"*	*12.3*		*42.9*	*25-150*				
Surrogate: M2-4:2 FTS	*59.5*		*"*	*46.0*		*129*	*25-150*				
Surrogate: d-N-MeFOSA	*1.67*		*"*	*24.5*		*6.80*	*25-150*				
Surrogate: d-N-EtFOSA	*0.590*		*"*	*24.5*		*2.40*	*25-150*				
Surrogate: M3HFPO-DA	*71.5*		*"*	*98.2*		*72.9*	*25-150*				
Surrogate: d9-N-EtFOSE	*0.0868*		*"*	*245*		*0.0354*	*25-150*				
Surrogate: d7-N-MeFOSE	*0.243*		*"*	*245*		*0.0992*	*25-150*				
LCS (BE40039-BS1)								Prepared & Analyzed: 05/01/2024			
Perfluorobutanesulfonic acid (PFBS)	34.4	1.77	ng/L	35.4		97.1	50-150				
Perfluorohexanoic acid (PFHxA)	39.2	2.00	"	40.0		97.9	50-150				
Perfluoroheptanoic acid (PFHpA)	26.7	2.00	"	40.0		66.6	50-150				
Perfluorohexanesulfonic acid (PFHxS)	36.1	1.83	"	36.6		98.6	50-150				
Perfluorooctanoic acid (PFOA)	43.5	2.00	"	40.0		109	50-150				
Perfluorooctanesulfonic acid (PFOS)	35.7	1.86	"	37.2		95.9	50-150				
Perfluorononanoic acid (PFNA)	37.9	2.00	"	40.0		94.8	50-150				
Perfluorodecanoic acid (PFDA)	44.0	2.00	"	40.0		110	50-150				
Perfluoroundecanoic acid (PFUnA)	47.5	2.00	"	40.0		119	50-150				
Perfluorododecanoic acid (PFDoA)	42.5	2.00	"	40.0		106	50-150				
Perfluorotridecanoic acid (PFTrDA)	55.0	2.00	"	40.0		138	50-150				
Perfluorotetradecanoic acid (PFTA)	41.2	2.00	"	40.0		103	50-150				
N-MeFOSAA	46.6	2.00	"	40.0		117	50-150				
N-EtFOSAA	40.0	2.00	"	40.0		100	50-150				
Perfluoropentanoic acid (PFPeA)	78.6	4.00	"	80.0		98.3	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	37.4	2.00	"	40.0		93.5	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	36.0	1.91	"	38.2		94.1	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	28.5	1.93	"	38.6		73.7	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	181	7.60	"	152		119	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	159	7.68	"	154		103	50-150				
Perfluoro-n-butanoic acid (PFBA)	112	8.00	"	160		70.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	71.2	3.56	"	71.2		100	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	64.6	4.00	"	80.0		80.7	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	9.67	4.00	"	80.0		12.1	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	122	4.00	"	80.0		153	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	35.5	1.88	"	37.6		94.5	50-150				

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

Batch BE40039 - EPA 1633 Prep

LCS (BE40039-BS1) Prepared & Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	162	7.50	ng/L	150		108	50-150				
HFPO-DA (Gen-X)	70.6	8.00	"	80.0		88.2	50-150				
11CL-PF3OUdS	49.2	7.56	"	75.6		65.0	50-150				
9CL-PF3ONS	68.6	7.48	"	74.8		91.7	50-150				
ADONA	84.9	7.56	"	75.6		112	50-150				
Perfluorododecanesulfonic acid (PFDoS)	14.7	1.94	"	38.8		37.8	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	28.4	1.92	"	38.4		73.9	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	86.3	5.00	"	160		53.9	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	933	25.0	"	800		117	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1230	25.0	"	800		153	50-150	High Bias			
N-MeFOSE	378	20.0	"	400		94.4	50-150				
N-MeFOSA	47.1	2.00	"	40.0		118	50-150				
N-EtFOSE	392	20.0	"	400		97.9	50-150				
N-EtFOSA	57.4	2.00	"	40.0		144	50-150				
Surrogate: M3PFBS	*17.8*		"	*23.3*		*76.4*	*25-150*				
Surrogate: M5PFHxA	*19.2*		"	*25.0*		*76.8*	*25-150*				
Surrogate: M4PFHpA	*32.9*		"	*25.0*		*131*	*25-150*				
Surrogate: M3PFHxS	*24.1*		"	*23.7*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*20.3*		"	*25.0*		*81.2*	*25-150*				
Surrogate: M6PFDA	*10.8*		"	*12.5*		*86.5*	*25-150*				
Surrogate: M7PFUdA	*8.37*		"	*12.5*		*66.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.97*		"	*12.5*		*39.8*	*25-150*				
Surrogate: M2PFTeDA	*3.94*		"	*12.5*		*31.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.30*		"	*100*		*1.30*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*22.4*		"	*24.0*		*93.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*14.5*		"	*50.0*		*29.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*17.6*		"	*25.0*		*70.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*27.8*		"	*50.0*		*55.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*25.5*		"	*50.0*		*51.0*	*25-150*				
Surrogate: M2-6:2 FTS	*97.1*		"	*47.6*		*204*	*25-200*				
Surrogate: M2-8:2 FTS	*42.9*		"	*48.0*		*89.5*	*25-200*				
Surrogate: M9PFNA	*11.8*		"	*12.5*		*94.2*	*25-150*				
Surrogate: M2-4:2 FTS	*77.4*		"	*46.9*		*165*	*25-150*				
Surrogate: d-N-MeFOSA	*9.95*		"	*25.0*		*39.8*	*25-150*				
Surrogate: d-N-EtFOSA	*6.81*		"	*25.0*		*27.2*	*25-150*				
Surrogate: M3HFPO-DA	*85.5*		"	*100*		*85.5*	*25-150*				
Surrogate: d9-N-EtFOSE	*58.6*		"	*250*		*23.4*	*25-150*				
Surrogate: d7-N-MeFOSE	*73.7*		"	*250*		*29.5*	*25-150*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24D1556-02	FMW-15	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1556-04	FMW-14	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1556-05	MW-64	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1556-07	MW-43	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1556-11	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1556-12	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-L	The CCV 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.
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).
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 Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This 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.

YORK Project No. 24D1556

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

Page 1 of 2

	YOUR Information	Report To:	Invoice To:
Company:	WSP USA		
Address:	500 Summit Lake Dr Valhalla NY 10595	Same	Same
Phone.:	914 329 1392		
Contact:	John Benvegna		
E-mail:	John.Benvegna@wsp.com		

YOUR Project Number 31402218.000

YOUR Project Name Westchester County Airport (WCA)

YOUR PO#:

Turn-Around Time

RUSH - Next Day ☐
RUSH - Two Day ☐
RUSH - Three Day ☐
RUSH - Four Day ☐
RUSH - Five Day ☐
Standard (6-9 Day) ☑
PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Mike Reiff

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil Other

Samples From

New York ☑
New Jersey ☐
Connecticut ☐
Pennsylvania ☐
Other:

Report / EDD Type (circle selections)

Summary Report
QA Report
CMDP
Standard Excel EDD
[✓ NY ASP B Package]
CT RCP
CT RCP DQA/DUE
NJDEP Reduced Deliverables
Other:
EQuIS (Standard)
[✓ NYSDEC EQuIS]
NJDKQP
NJDEP SRP HazSite

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled		Analyses Requested		Container Type		No.
				PFAS 1633	8260 Full list	2P	3V	
FMW-16	GW	4/23/24	1000	X	No ~~X~~ (MD)	X		2
FMW-15	↓	↓	1035	↓	X	X	X	5
MW-52			1140			X		2
FMW-14			1220		X	X	X	5
MW-64			1315		X	X	X	5
MW-63			1400			X		2
MW-63 matrix spike			1400			X		2
MW-63 matrix spike Duplicate			1400			X		2
MW-43	↓	↓	1500	↓	X	X	X	5

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered ☐
Lab to Filter ☐

1. Samples Relinquished by / Company	Date/Time 4/23/24 1630	1. Samples Received by / Company Marvee A. / York	Date/Time 4/24/24 10:41
2. Samples Relinquished by / Company Marvee A. / York	Date/Time 1429 4/24/24	2. Samples Received by / Company	Date/Time
3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time

Samples Received in LAB by 4/24/24 Date/Time 14:29 Temperature 4.2°C Degrees C

YORK
ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This 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.

YORK Project No. 24D1556

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

Page 2 of 2

YOUR Information	Report To:	Invoice To:
Company: WSP USA	Company:	Company:
Address: 500 Summit Lake Dr Valhalla NY 10595	Address: S	Address: S
Phone.: 914 329 1392	Phone.: a	Phone.: a
Contact: John Benvegna	Contact: Me	Contact: M
E-mail: John.Benvegna@wsp.com	E-mail:	E-mail: e

YOUR Project Number: 31402218.000

YOUR Project Name: Westchester County Airport (WCA)

YOUR PO#:

Turn-Around Time	
RUSH - Next Day	☐
RUSH - Two Day	☐
RUSH - Three Day	☐
RUSH - Four Day	☐
RUSH - Five Day	☐
Standard (6-9 Day)	☒

PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes
- S - soil / solid
- GW - groundwater
- DW - drinking water
- WW - wastewater
- O - Oil
- Other

Samples From
- New York ☒
- New Jersey ☐
- Connecticut ☐
- Pennsylvania ☐
- Other:

Report / EDD Type (circle selections)
- Summary Report
- QA Report
- CMDP
- Standard Excel EDD
- [✓ NY ASP B Package]
- CT RCP
- CT RCP DQA/DUE
- NJDEP Reduced Deliverables
- Other:
- EQuIS (Standard)
- [✓ NYSDEC EQuIS]
- NJDKQP
- NJDEP SRP HazSite

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested		Container Type		No.
—	GW	—	PFAS 1633	8260 full list	2P	3V	-
MW-44	↓	4/23/24 1445	X		X		2
FMW-6	↓	1530	X		X		2
Field Duplicate	↓	4/23/24 —	X	X	X	X	5
Field Blank	DI	4/23/24 1550	X	X	X	X	5
Trip Blank	↓	—		X		2	2

Comments:

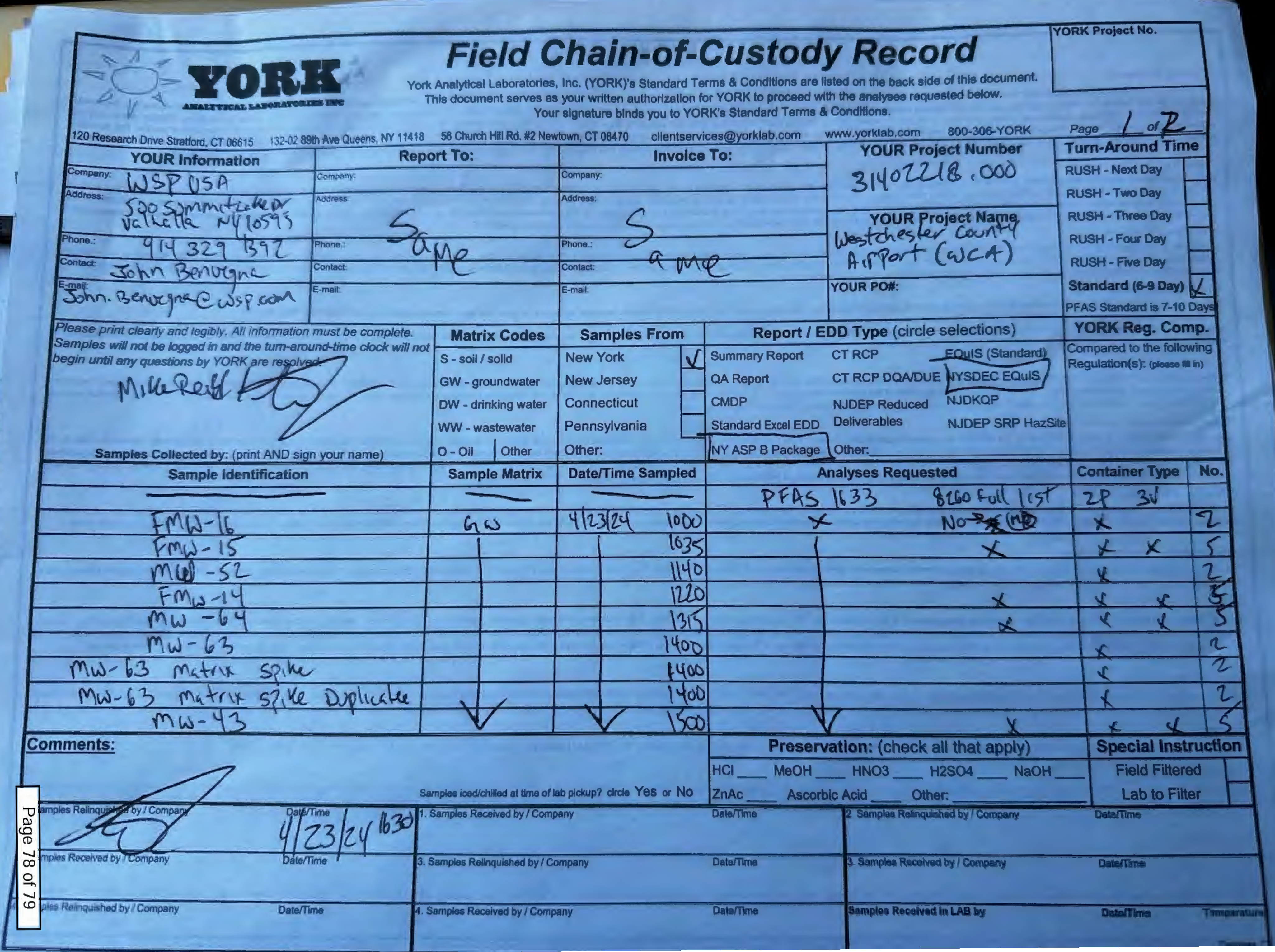
Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ____ MeOH ____ HNO3 ____ H2SO4 ____ NaOH ____
ZnAc ____ Ascorbic Acid ____ Other: ____

Special Instruction
Field Filtered ☐
Lab to Filter ☐

1. Samples Relinquished by / Company	Date/Time 4/23/24 1630	1. Samples Received by / Company Marcel / York	Date/Time 4/24/24 10:41	2. Samples Relinquished by / Company Marcel / York	Date/Time 4/24/24 1429
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time 4/24/24 14:29 — Temperature 4.2 °C Degrees C

Sheet 1 of 1



YORK
ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

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

YORK Project No.

Page 1 of 2

YOUR Information	Report To:	Invoice To:
Company: WSP USA	Company:	Company:
Address: 500 Summit Lake Dr Valhalla NY 10595	Address: Same	Address: Same
Phone.: 914 329 1392	Phone.:	Phone.:
Contact: John Benvegna	Contact:	Contact:
E-mail: John.Benvegna@wsp.com	E-mail:	E-mail:

YOUR Project Number: 31402218.000

YOUR Project Name: Westchester County Airport (WCA)

YOUR PO#:

Turn-Around Time

- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- RUSH - Five Day ☐
- Standard (6-9 Day) ☑

PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Mike Reiff

Samples Collected by: (print AND sign your name)

Matrix Codes

- S - soil / solid
- GW - groundwater
- DW - drinking water
- WW - wastewater
- O - Oil
- Other

Samples From

- New York ☑
- New Jersey ☐
- Connecticut ☐
- Pennsylvania ☐
- Other:

Report / EDD Type (circle selections)

Summary Report, CT RCP, EQuIS (Standard), QA Report, CT RCP DQA/DUE, [✓ NYSDEC EQuIS], CMDP, NJDEP Reduced Deliverables, NJDKQP, Standard Excel EDD, NJDEP SRP HazSite, [✓ NY ASP B Package], Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested		Container Type		No.
			PFAS 1633	8260 Full list	2P	3V	
FMW-16	GW	4/23/24 1000	X	No ~~X~~ [illegible]	X		2
FMW-15	↓	↓ 1635	↓	X	X	X	5
MW-52	↓	↓ 1140	↓		X		2
FMW-14	↓	↓ 1220	↓	X	X	X	5
MW-64	↓	↓ 1315	↓	X	X	X	5
MW-63	↓	↓ 1400	↓		X		2
MW-63 matrix spike	↓	↓ 1400	↓		X		2
MW-63 matrix spike Duplicate	↓	↓ 1400	↓		X		2
MW-43	↓	↓ 1500	↓	X	X	X	5

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

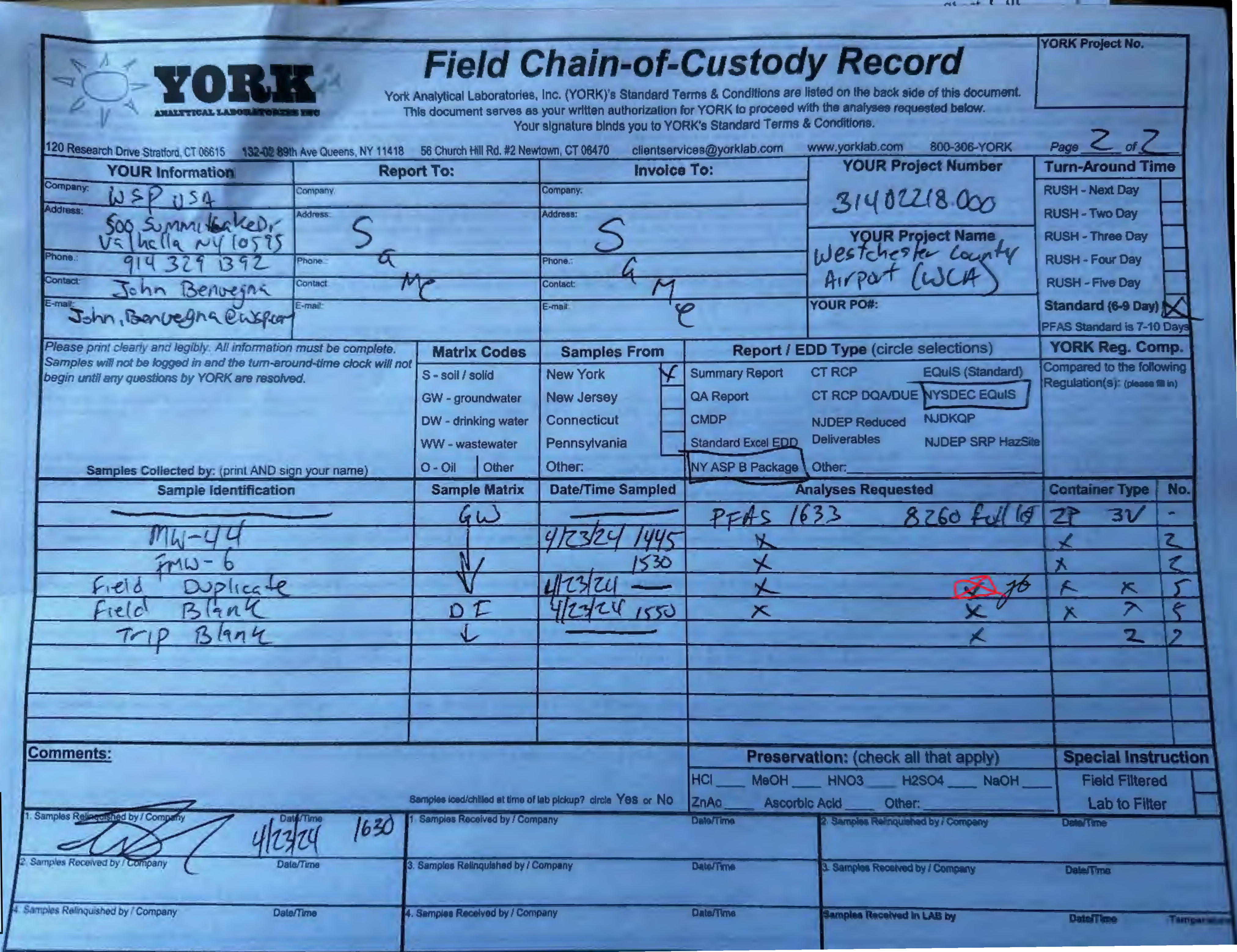
Preservation: (check all that apply)

HCl ____ MeOH ____ HNO3 ____ H2SO4 ____ NaOH ____
ZnAc ____ Ascorbic Acid ____ Other: ____

Special Instruction

- Field Filtered ☐
- Lab to Filter ☐

amples Relinquished by / Company	Date/Time 4/23/24 1630	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
mples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
ples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time Temperature



Field Chain-of-Custody Record

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YORK ANALYTICAL LABORATORIES INC

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

YORK Project No.:

Page 2 of 2

YOUR Information	Report To:	Invoice To:
Company: WSP USA	Company:	Company:
Address: 500 Summit Lake Dr Valhalla NY 10595	Address: S	Address: S
Phone.: 914 329 1392	Phone.: a	Phone.: a
Contact: John Benvegna	Contact: Me	Contact: Me
E-mail: John.Benvegna@wsp.com	E-mail:	E-mail: e

YOUR Project Number: 31402218.000

YOUR Project Name: Westchester County Airport (WCA)

YOUR PO#:

Turn-Around Time

- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- RUSH - Five Day ☐
- Standard (6-9 Day) ☒
- PFAS Standard is 7-10 Days

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Matrix Codes

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- WW - wastewater
- O - Oil | Other

Samples From

- New York ☒
- New Jersey ☐
- Connecticut ☐
- Pennsylvania ☐
- Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | EQuIS (Standard)
QA Report | CT RCP DQA/DUE | [✓ NYSDEC EQuIS]
CMDP | NJDEP Reduced Deliverables | NJDKQP
Standard Excel EDD | | NJDEP SRP HazSite
[✓ NY ASP B Package] | Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested		Container Type		No.
—	GW	—	PFAS 1633	8260 full list	2P	3V	-
MW-44	↓	4/23/24 1445	X		X		2
FMW-6	↓	1530	X		X		2
Field Duplicate	↓	4/23/24 —	X	~~X~~ jb	X	X	5
Field Blank	DI	4/23/24 1550	X	X	X	X	5
Trip Blank	↓	—		X		2	2

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ☐
Lab to Filter ☐

1. Samples Relinquished by / Company	Date/Time 4/23/24 1630	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time Temperature

Technical Report

prepared for:

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

Report Date: 05/06/2024
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 24D1634

Revision No. 1.0

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

Report Date: 05/06/2024
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 24D1634

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 April 25, 2024 and listed below. The project was identified as your project: **31402218.000 Westchester County Airport (WCA)**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24D1634-01	**Hanger E MW-1**	**Ground Water**	**04/24/2024**	**04/25/2024**
24D1634-02	**Hanger E MW-4**	**Ground Water**	**04/24/2024**	**04/25/2024**
24D1634-03	**MW-7S**	**Ground Water**	**04/24/2024**	**04/25/2024**
24D1634-04	**XDDR MW-10**	**Ground Water**	**04/24/2024**	**04/25/2024**
24D1634-05	**XDD MW-11**	**Ground Water**	**04/24/2024**	**04/25/2024**
24D1634-06	**FMW-37**	**Ground Water**	**04/24/2024**	**04/25/2024**
24D1634-07	**Field Duplicate**	**Ground Water**	**04/24/2024**	**04/25/2024**
24D1634-08	**Trip Blank**	**Ground Water**	**04/24/2024**	**04/25/2024**
24D1634-09	**Field Blank**	**Ground Water**	**04/24/2024**	**04/25/2024**

General Notes for York Project (SDG) No.: 24D1634

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 **Date:** 05/06/2024

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **Hanger E MW-1** **York Sample ID:** **24D1634-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 10:40 am	04/25/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-55-6	**1,1,1-Trichloroethane**	**1.4**		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-34-3	**1,1-Dichloroethane**	**8.6**		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
75-35-4	**1,1-Dichloroethylene**	**18**		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
87-61-6	1,2,3-Trichlorobenzene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
120-82-1	1,2,4-Trichlorobenzene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-50-1	**1,2-Dichlorobenzene**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
107-06-2	**1,2-Dichloroethane**	**3.4**		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
123-91-1	**1,4-Dioxane**	**920**		ug/L	40	40	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **Hanger E MW-1**

York Sample ID: **24D1634-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 10:40 am	04/25/2024

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
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
71-43-2	**Benzene**	**0.61**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 03:00	05/01/2024 04:08	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 04:08	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
75-00-3	**Chloroethane**	**26**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 03:00	05/01/2024 04:08	SCB
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
156-59-2	**cis-1,2-Dichloroethylene**	**3.0**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 03:00	05/01/2024 04:08	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
110-82-7	**Cyclohexane**	**0.31**	J, CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0	04/30/2024 03:00	05/01/2024 04:08	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 04:08	SCB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 04:08	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 04:08	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 04:08	SCB

Sample Information

Client Sample ID: Hanger E MW-1 **York Sample ID:** 24D1634-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 10:40 am	04/25/2024

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
98-82-8	**Isopropylbenzene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-87-2	**Methylcyclohexane**	**0.67**	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	**o-Xylene**	**0.38**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
135-98-8	**sec-Butylbenzene**	**0.37**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-06-6	**tert-Butylbenzene**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-01-6	**Trichloroethylene**	**0.48**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-01-4	**Vinyl Chloride**	**77**		ug/L	2.0	5.0	10	EPA 8260D	05/02/2024 08:00	05/02/2024 16:13	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
1330-20-7	**Xylenes, Total**	**0.63**	J	ug/L	0.60	1.5	1	EPA 8260D	04/30/2024 03:00	05/01/2024 04:08	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		

Sample Information

Client Sample ID: Hanger E MW-1 **York Sample ID:** 24D1634-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 10:40 am	04/25/2024

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

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.1 %*		*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*110 %*		*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*113 %*		*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**	**1170**		ug/L	15.0	50	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	05/01/2024 08:59	05/03/2024 12:29	SS

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*%*	S-08	*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	05/02/2024 09:26	05/03/2024 23:39	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**1130**		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**405**	PF-CCV-L	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**271**		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**22.7**		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER

Sample Information

Client Sample ID: Hanger E MW-1 **York Sample ID:** 24D1634-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 10:40 am	04/25/2024

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
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**3640**		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**498**		ng/L	10.6	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
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	05/02/2024 09:26	05/03/2024 23:39	ER
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	05/02/2024 09:26	05/03/2024 23:39	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 23:39	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 23:39	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 23:39	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 23:39	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
757124-72-4	**1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)**	**20.2**	J	ng/L	17.9	75.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:39	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:39	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:39	ER

Sample Information

Client Sample ID: **Hanger E MW-1** **York Sample ID:** **24D1634-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 10:40 am	04/25/2024

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
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:39	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:39	ER
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:39	ER
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:39	ER
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:39	ER
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:39	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*96.3 %*		*25-150*
Surrogate: M5PFHxA	*90.8 %*		*25-150*
Surrogate: M4PFHpA	*114 %*		*25-150*
Surrogate: M3PFHxS	*102 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.5 %*		*25-150*
Surrogate: M6PFDA	*81.9 %*		*25-150*
Surrogate: M7PFUdA	*87.5 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*61.4 %*		*25-150*
Surrogate: M2PFTeDA	*52.4 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.74 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*81.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*58.9 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*102 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*81.7 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*79.9 %*		*25-150*
Surrogate: M2-6:2 FTS	*203 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*109 %*		*25-200*
Surrogate: M9PFNA	*73.3 %*		*25-150*
Surrogate: M2-4:2 FTS	*250 %*	PFSu-H	*25-150*
Surrogate: d-N-MeFOSA	*75.1 %*		*25-150*
Surrogate: d-N-EtFOSA	*62.4 %*		*25-150*
Surrogate: M3HFPO-DA	*82.9 %*		*25-150*
Surrogate: d9-N-EtFOSE	*51.8 %*		*25-150*
Surrogate: d7-N-MeFOSE	*52.8 %*		*25-150*

Sample Information

Client Sample ID: Hanger E MW-1 **York Sample ID:** 24D1634-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 10:40 am	04/25/2024

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:	05/01/2024 09:30	05/01/2024 12:14	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	05/01/2024 09:30	05/01/2024 12:14	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:** 24D1634-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 10:50 am	04/25/2024

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	9.39	35.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**694**		ng/L	6.99	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**399**	PF-CCV-L	ng/L	14.2	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**22.4**	J	ng/L	13.6	36.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**380**		ng/L	8.39	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**92.4**		ng/L	16.4	37.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**74.0**		ng/L	10.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	15.0	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	22.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	17.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	14.8	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER

Sample Information

Client Sample ID:	**Hanger E MW-4**			**York Sample ID:**	**24D1634-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 10:50 am	04/25/2024

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
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	13.8	40.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
2355-31-9	N-MeFOSAA	ND		ng/L	15.8	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
2991-50-6	N-EtFOSAA	ND		ng/L	20.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**1650**		ng/L	4.59	79.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	17.6	40.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	18.2	38.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	26.4	38.6	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**1150**		ng/L	21.2	152	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
39108-34-4	**1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**208**		ng/L	41.0	153	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**298**		ng/L	6.59	160	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	9.99	71.1	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 23:55	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	42.7	79.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 23:55	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	4.99	79.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 23:55	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	7.39	79.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 23:55	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	15.2	37.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	35.8	150	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	64.5	160	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	27.6	151	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	14.0	149	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
919005-14-4	ADONA	ND		ng/L	10.6	151	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	18.6	38.8	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:55	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	17.2	38.4	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 23:55	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	40.6	99.9	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:55	ER

Sample Information

Client Sample ID: Hanger E MW-4 **York Sample ID:** 24D1634-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 10:50 am	04/25/2024

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
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	146	499	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:55	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	189	499	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:55	ER
24448-09-7	* N-MeFOSE	ND		ng/L	79.7	400	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:55	ER
31506-32-8	* N-MeFOSA	ND		ng/L	31.6	40.0	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:55	ER
1691-99-2	* N-EtFOSE	ND		ng/L	79.7	400	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:55	ER
4151-50-2	* N-EtFOSA	ND		ng/L	36.0	40.0	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 23:55	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*93.4 %*		*25-150*
Surrogate: M5PFHxA	*85.0 %*		*25-150*
Surrogate: M4PFHpA	*119 %*		*25-150*
Surrogate: M3PFHxS	*100 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*67.0 %*		*25-150*
Surrogate: M6PFDA	*69.2 %*		*25-150*
Surrogate: M7PFUdA	*83.6 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*56.1 %*		*25-150*
Surrogate: M2PFTeDA	*46.5 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*2.66 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.8 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*62.8 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*87.9 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*70.5 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*68.1 %*		*25-150*
Surrogate: M2-6:2 FTS	*175 %*		*25-200*
Surrogate: M2-8:2 FTS	*107 %*		*25-200*
Surrogate: M9PFNA	*83.4 %*		*25-150*
Surrogate: M2-4:2 FTS	*191 %*	PFSu-H	*25-150*
Surrogate: d-N-MeFOSA	*62.3 %*		*25-150*
Surrogate: d-N-EtFOSA	*61.6 %*		*25-150*
Surrogate: M3HFPO-DA	*72.1 %*		*25-150*
Surrogate: d9-N-EtFOSE	*46.3 %*		*25-150*
Surrogate: d7-N-MeFOSE	*52.0 %*		*25-150*

Sample Information

Client Sample ID: **Hanger E MW-4**

York Sample ID: **24D1634-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 10:50 am	04/25/2024

Sample Information

Client Sample ID: **MW-7S**

York Sample ID: **24D1634-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 12:00 pm	04/25/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
71-55-6	**1,1,1-Trichloroethane**	**0.75**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 08:00	05/02/2024 16:39	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
75-34-3	**1,1-Dichloroethane**	**22**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 08:00	05/02/2024 16:39	SCB
75-35-4	**1,1-Dichloroethylene**	**0.49**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 08:00	05/02/2024 16:39	SCB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 08:00	05/02/2024 16:39	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 08:00	05/02/2024 16:39	SCB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 08:00	05/02/2024 16:39	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB

Sample Information

Client Sample ID: **MW-7S** **York Sample ID:** **24D1634-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 12:00 pm	04/25/2024

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
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	40	40	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-64-1	**Acetone**	**2.7**	CCVE	ug/L	1.0	2.0	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
107-02-8	Acrolein	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	**Benzene**	**0.43**	J	ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-59-2	**cis-1,2-Dichloroethylene**	**2.4**		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 08:00	05/02/2024 16:39	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: MW-7S **York Sample ID:** 24D1634-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 12:00 pm	04/25/2024

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
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 08:00	05/02/2024 16:39	SCB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 08:00	05/02/2024 16:39	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 08:00	05/02/2024 16:39	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 08:00	05/02/2024 16:39	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 08:00	05/02/2024 16:39	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	05/02/2024 08:00	05/02/2024 16:39	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	05/02/2024 08:00	05/02/2024 16:39	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 08:00	05/02/2024 16:39	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
108-88-3	**Toluene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 08:00	05/02/2024 16:39	SCB
156-60-5	**trans-1,2-Dichloroethylene**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 08:00	05/02/2024 16:39	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB

Sample Information

Client Sample ID: MW-7S **York Sample ID:** 24D1634-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 12:00 pm	04/25/2024

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
79-01-6	**Trichloroethylene**	**1.1**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 08:00	05/02/2024 16:39	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB
75-01-4	**Vinyl Chloride**	**16**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 08:00	05/02/2024 16:39	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 08:00	05/02/2024 16:39	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*109 %*	*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 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**	**15.1**		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	04/26/2024 08:39	04/28/2024 16:01	SS

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*44.7 %*	*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)**	**5.94**		ng/L	0.501	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**20.9**		ng/L	0.373	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**12.8**		ng/L	0.758	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**22.0**		ng/L	0.726	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**28.0**		ng/L	0.448	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**66.8**		ng/L	0.875	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**11.2**		ng/L	0.555	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER

Sample Information

Client Sample ID: MW-7S

York Sample ID: 24D1634-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 12:00 pm	04/25/2024

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)**	**5.63**		ng/L	0.800	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.21	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.939	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.790	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.736	2.13	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.843	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
2991-50-6	**N-EtFOSAA**	**2.82**		ng/L	1.10	2.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**26.3**		ng/L	0.245	4.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.939	2.13	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**1.32**	J	ng/L	0.971	2.04	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.41	2.06	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**4.73**	J	ng/L	1.13	8.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.19	8.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.352	8.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.533	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 20:25	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.28	4.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 20:25	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.267	4.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 20:25	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.395	4.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 20:25	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**2.25**		ng/L	0.811	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.91	8.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.45	8.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.47	8.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.747	7.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER

Sample Information

Client Sample ID: MW-7S **York Sample ID:** 24D1634-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 12:00 pm	04/25/2024

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	0.565	8.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.992	2.07	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:25	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.918	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:25	ER
356-02-5	*** 3-Perfluoropropyl propanoic acid (FPrPA)**	**221**		ng/L	2.17	5.33	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:25	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.82	26.7	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:25	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.1	26.7	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:25	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.26	21.3	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:25	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.69	2.13	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:25	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.26	21.3	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:25	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.92	2.13	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:25	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*68.6 %*		*25-150*
Surrogate: M5PFHxA	*77.4 %*		*25-150*
Surrogate: M4PFHpA	*75.7 %*		*25-150*
Surrogate: M3PFHxS	*87.8 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.7 %*		*25-150*
Surrogate: M6PFDA	*86.4 %*		*25-150*
Surrogate: M7PFUdA	*73.3 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*43.8 %*		*25-150*
Surrogate: M2PFTeDA	*74.5 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.57 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*108 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*26.1 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*65.0 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*90.9 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*64.0 %*		*25-150*
Surrogate: M2-6:2 FTS	*417 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*200 %*	PFSu-H	*25-200*

Sample Information

Client Sample ID: **MW-7S** **York Sample ID:** **24D1634-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 12:00 pm	04/25/2024

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
	Surrogate: M9PFNA	*86.5 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*553 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*44.8 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*31.8 %*			*25-150*						
	Surrogate: M3HFPO-DA	*58.1 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*38.6 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*47.3 %*			*25-150*						

Sample Information

Client Sample ID: **XDDR MW-10** **York Sample ID:** **24D1634-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 1:50 pm	04/25/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
75-34-3	**1,1-Dichloroethane**	**0.65**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 03:00	05/01/2024 05:54	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
87-61-6	1,2,3-Trichlorobenzene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 05:54	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 05:54	SCB
120-82-1	1,2,4-Trichlorobenzene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 05:54	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB

Sample Information

Client Sample ID: **XDDR MW-10**

York Sample ID: **24D1634-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 1:50 pm	04/25/2024

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
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 05:54	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 05:54	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
75-15-0	**Carbon disulfide**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 03:00	05/01/2024 05:54	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB

Sample Information

Client Sample ID: **XDDR MW-10** **York Sample ID:** **24D1634-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 1:50 pm	04/25/2024

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
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
156-59-2	**cis-1,2-Dichloroethylene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 03:00	05/01/2024 05:54	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
110-82-7	Cyclohexane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 05:54	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 05:54	SCB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 05:54	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 05:54	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 05:54	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
108-87-2	Methylcyclohexane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 05:54	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/30/2024 03:00	05/01/2024 05:54	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/30/2024 03:00	05/01/2024 05:54	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB

Sample Information

Client Sample ID: **XDDR MW-10** **York Sample ID:** **24D1634-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 1:50 pm	04/25/2024

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
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 05:54	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 05:54	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.6 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*79-122*

Sample Information

Client Sample ID: **XDD MW-11** **York Sample ID:** **24D1634-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 2:15 pm	04/25/2024

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**	**3.70**		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	04/26/2024 08:39	04/28/2024 16:18	SS

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **XDD MW-11** **York Sample ID:** **24D1634-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 2:15 pm	04/25/2024

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
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*56.5 %*			*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)**	**6.65**		ng/L	0.504	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**25.9**		ng/L	0.375	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**13.0**		ng/L	0.762	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**50.3**		ng/L	0.730	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**14.2**		ng/L	0.451	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**27.2**		ng/L	0.880	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**5.82**		ng/L	0.558	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.805	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**2.62**		ng/L	1.21	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.944	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.794	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.740	2.15	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.848	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.11	2.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**42.0**		ng/L	0.247	4.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.944	2.15	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**2.27**		ng/L	0.976	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.42	2.07	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**16.9**		ng/L	1.14	8.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER

Sample Information

Client Sample ID: XDD MW-11 **York Sample ID:** 24D1634-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 2:15 pm	04/25/2024

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
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	05/02/2024 09:26	05/03/2024 20:41	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**13.2**		ng/L	0.354	8.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.536	3.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 20:41	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.30	4.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 20:41	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.268	4.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 20:41	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.397	4.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 20:41	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**7.41**		ng/L	0.815	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
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	05/02/2024 09:26	05/03/2024 20:41	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.47	8.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.48	8.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.751	8.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
919005-14-4	ADONA	ND		ng/L	0.569	8.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.998	2.08	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:41	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.923	2.06	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 20:41	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.18	5.36	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:41	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.86	26.8	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:41	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.2	26.8	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:41	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.28	21.5	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:41	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.70	2.15	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:41	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.28	21.5	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:41	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.93	2.15	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 20:41	ER

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.9 %*	*25-150*
Surrogate: M5PFHxA	*91.6 %*	*25-150*
Surrogate: M4PFHpA	*110 %*	*25-150*

Sample Information

Client Sample ID: XDD MW-11 **York Sample ID:** 24D1634-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 2:15 pm	04/25/2024

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
	Surrogate: M3PFHxS	*94.4 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.6 %*			*25-150*						
	Surrogate: M6PFDA	*71.6 %*			*25-150*						
	Surrogate: M7PFUdA	*61.7 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*25.4 %*			*25-150*						
	Surrogate: M2PFTeDA	*21.3 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*6.85 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.1 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.4 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*91.4 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*82.9 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*70.1 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*326 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*148 %*			*25-200*						
	Surrogate: M9PFNA	*78.6 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*543 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*41.8 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*36.1 %*			*25-150*						
	Surrogate: M3HFPO-DA	*76.7 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*21.8 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*28.7 %*			*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:	05/01/2024 09:30	05/01/2024 11:25	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	05/01/2024 09:30	05/01/2024 11:25	GXB
	Surrogate Recoveries	**Result**		**Acceptance Range**						
110-63-4	*Surrogate: 1,4-Butanediol*			*30-130*						

Sample Information

Client Sample ID: **FMW-37** **York Sample ID:** **24D1634-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:00 pm	04/25/2024

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:	05/01/2024 09:30	05/01/2024 11:44	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	05/01/2024 09:30	05/01/2024 11:44	GXB

	Surrogate Recoveries	Result	Acceptance Range
110-63-4	*Surrogate: 1,4-Butanediol*		*30-130*

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **24D1634-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:00 pm	04/25/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:20	SCB
71-55-6	**1,1,1-Trichloroethane**	**2.4**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 03:00	05/01/2024 06:20	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:20	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:20	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:20	SCB
75-34-3	**1,1-Dichloroethane**	**8.9**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 03:00	05/01/2024 06:20	SCB
75-35-4	**1,1-Dichloroethylene**	**19**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 03:00	05/01/2024 06:20	SCB
87-61-6	1,2,3-Trichlorobenzene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 06:20	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 06:20	SCB
120-82-1	1,2,4-Trichlorobenzene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 06:20	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:20	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:20	SCB

Sample Information

Client Sample ID: Field Duplicate

York Sample ID: 24D1634-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:00 pm	04/25/2024

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
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-50-1	**1,2-Dichlorobenzene**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
107-06-2	**1,2-Dichloroethane**	**3.2**		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
123-91-1	**1,4-Dioxane**	**1100**		ug/L	40	40	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	**Benzene**	**0.61**		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-00-3	**Chloroethane**	**23**		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		

Sample Information

Client Sample ID: **Field Duplicate**

York Sample ID: **24D1634-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:00 pm	04/25/2024

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
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-59-2	**cis-1,2-Dichloroethylene**	**3.1**		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-82-7	**Cyclohexane**	**0.31**	CCVE, J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-82-8	**Isopropylbenzene**	**0.33**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-87-2	**Methylcyclohexane**	**0.69**	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	**o-Xylene**	**0.38**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-6		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
135-98-8	**sec-Butylbenzene**	**0.39**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-65-0	**tert-Butyl alcohol (TBA)**	**3.5**	CCVE	ug/L	0.50	1.0	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0		

Sample Information

Client Sample ID: **Field Duplicate** | **York Sample ID:** **24D1634-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:00 pm	04/25/2024

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
98-06-6	**tert-Butylbenzene**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-01-6	**Trichloroethylene**	**0.48**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-01-4	**Vinyl Chloride**	**82**		ug/L	2.0	5.0	10	EPA 8260D	05/02/2024 08:00	05/02/2024 17:06	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
1330-20-7	**Xylenes, Total**	**0.63**	J	ug/L	0.60	1.5	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:20	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*93.1 %*		*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*111 %*		*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*117 %*		*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**	**1240**		ug/L	15.0	50	EPA 8270E SIM	05/01/2024 08:59	05/03/2024 12:47	SS
							Certifications:	NJDEP-CT005,NELAC-NY10854		

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*%*	S-08	*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	05/02/2024 09:26	05/04/2024 00:11	ER
								Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: **Field Duplicate**

York Sample ID: **24D1634-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:00 pm	04/25/2024

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
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**1020**		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**379**	PF-CCV-L	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**281**		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
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	05/02/2024 09:26	05/04/2024 00:11	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**3480**		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**468**		ng/L	10.6	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
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	05/02/2024 09:26	05/04/2024 00:11	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**479**		ng/L	3.30	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/04/2024 00:11	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/04/2024 00:11	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/04/2024 00:11	ER

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **24D1634-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:00 pm	04/25/2024

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	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/04/2024 00:11	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
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	05/02/2024 09:26	05/04/2024 00:11	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/04/2024 00:11	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/04/2024 00:11	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/04/2024 00:11	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/04/2024 00:11	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/04/2024 00:11	ER
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/04/2024 00:11	ER
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/04/2024 00:11	ER
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/04/2024 00:11	ER
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/04/2024 00:11	ER

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*81.6 %*	*25-150*
Surrogate: M5PFHxA	*77.9 %*	*25-150*
Surrogate: M4PFHpA	*105 %*	*25-150*
Surrogate: M3PFHxS	*84.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*68.3 %*	*25-150*
Surrogate: M6PFDA	*65.3 %*	*25-150*
Surrogate: M7PFUdA	*70.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*50.7 %*	*25-150*
Surrogate: M2PFTeDA	*45.2 %*	*10-150*

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **24D1634-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:00 pm	04/25/2024

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
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*10.1 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.5 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.8 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*79.6 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*65.9 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*62.9 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*158 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*90.5 %*			*25-200*						
	Surrogate: M9PFNA	*72.2 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*198 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*44.7 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*42.9 %*			*25-150*						
	Surrogate: M3HFPO-DA	*73.9 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*41.7 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*43.7 %*			*25-150*						

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **24D1634-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:00 pm	04/25/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **24D1634-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:00 pm	04/25/2024

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
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
87-61-6	1,2,3-Trichlorobenzene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 03:41	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 03:41	SCB
120-82-1	1,2,4-Trichlorobenzene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 03:41	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 03:41	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
67-64-1	**Acetone**	**1.1**	J	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	04/30/2024 03:00	05/01/2024 03:41	SCB
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 03:41	SCB

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **24D1634-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:00 pm	04/25/2024

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
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-66-3	**Chloroform**	**0.83**		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-82-7	Cyclohexane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-87-2	Methylcyclohexane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 03:41	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **24D1634-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:00 pm	04/25/2024

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
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/30/2024 03:00	05/01/2024 03:41	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	04/30/2024 03:00	05/01/2024 03:41	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 03:41	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 03:41	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.3 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*109 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*114 %*	*79-122*

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1634-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:15 pm	04/25/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
87-61-6	1,2,3-Trichlorobenzene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 06:47	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 06:47	SCB
120-82-1	1,2,4-Trichlorobenzene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 06:47	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 06:47	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1634-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:15 pm	04/25/2024

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
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-66-3	**Chloroform**	**0.37**	J	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-82-7	Cyclohexane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/30/2024 03:00	05/01/2024 06:47	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1634-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:15 pm	04/25/2024

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
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 06:47	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
108-87-2	Methylcyclohexane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 06:47	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/30/2024 03:00	05/01/2024 06:47	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/30/2024 03:00	05/01/2024 06:47	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/30/2024 03:00	05/01/2024 06:47	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/30/2024 03:00	05/01/2024 06:47	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*94.7 %*	*69-130*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1634-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:15 pm	04/25/2024

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
2037-26-5	*Surrogate: SURR: Toluene-d8*	*110 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*115 %*			*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	04/26/2024 08:39	04/28/2024 16:36	SS

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*51.1 %*	*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	0.446	1.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.332	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.674	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.646	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.399	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.779	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.494	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.712	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.07	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.836	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.703	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.655	1.90	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.750	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1634-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:15 pm	04/25/2024

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
2991-50-6	N-EtFOSAA	ND		ng/L	0.978	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**0.368**	J	ng/L	0.218	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.836	1.90	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.864	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.25	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.01	7.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.95	7.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.313	7.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.475	3.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 21:13	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.03	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 21:13	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.237	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 21:13	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.351	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/02/2024 09:26	05/03/2024 21:13	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.722	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
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	05/02/2024 09:26	05/03/2024 21:13	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.07	7.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.31	7.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.665	7.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
919005-14-4	ADONA	ND		ng/L	0.503	7.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.883	1.84	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 21:13	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.817	1.82	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/02/2024 09:26	05/03/2024 21:13	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.93	4.75	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 21:13	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.96	23.7	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 21:13	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.00	23.7	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 21:13	ER

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1634-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1634	31402218.000 Westchester County Airport (WCA)	Ground Water	April 24, 2024 3:15 pm	04/25/2024

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
24448-09-7	* N-MeFOSE	ND		ng/L	3.79	19.0	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 21:13	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.50	1.90	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 21:13	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.79	19.0	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 21:13	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.71	1.90	1	EPA 1633 Draft 3 Certifications:	05/02/2024 09:26	05/03/2024 21:13	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*87.1 %*		*25-150*
Surrogate: M5PFHxA	*87.4 %*		*25-150*
Surrogate: M4PFHpA	*150 %*		*25-150*
Surrogate: M3PFHxS	*103 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.5 %*		*25-150*
Surrogate: M6PFDA	*93.0 %*		*25-150*
Surrogate: M7PFUdA	*84.2 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*65.7 %*		*25-150*
Surrogate: M2PFTeDA	*50.6 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.07 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*87.4 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*31.5 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*117 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*83.5 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*79.1 %*		*25-150*
Surrogate: M2-6:2 FTS	*176 %*		*25-200*
Surrogate: M2-8:2 FTS	*111 %*		*25-200*
Surrogate: M9PFNA	*84.5 %*		*25-150*
Surrogate: M2-4:2 FTS	*164 %*	PFSu-H	*25-150*
Surrogate: d-N-MeFOSA	*82.8 %*		*25-150*
Surrogate: d-N-EtFOSA	*78.9 %*		*25-150*
Surrogate: M3HFPO-DA	*89.0 %*		*25-150*
Surrogate: d9-N-EtFOSE	*41.5 %*		*25-150*
Surrogate: d7-N-MeFOSE	*49.8 %*		*25-150*

Analytical Batch Summary

Batch ID: BD42023 **Preparation Method:** EPA 3535A **Prepared By:** THD

YORK Sample ID	Client Sample ID	Preparation Date
24D1634-03	MW-7S	04/26/24
24D1634-05	XDD MW-11	04/26/24
24D1634-09	Field Blank	04/26/24
BD42023-BLK1	Blank	04/26/24
BD42023-BS1	LCS	04/26/24
BD42023-MS1	Matrix Spike	04/26/24
BD42023-MSD1	Matrix Spike Dup	04/26/24

Batch ID: BD42279 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24D1634-01	Hanger E MW-1	04/30/24
24D1634-04	XDDR MW-10	04/30/24
24D1634-07	Field Duplicate	04/30/24
24D1634-08	Trip Blank	04/30/24
24D1634-09	Field Blank	04/30/24
BD42279-BLK1	Blank	04/30/24
BD42279-BS1	LCS	04/30/24
BD42279-BSD1	LCS Dup	04/30/24
BD42279-MS1	Matrix Spike	04/30/24
BD42279-MSD1	Matrix Spike Dup	04/30/24

Batch ID: BE40038 **Preparation Method:** EPA 3535A **Prepared By:** THD

YORK Sample ID	Client Sample ID	Preparation Date
24D1634-01	Hanger E MW-1	05/01/24
24D1634-07	Field Duplicate	05/01/24
BE40038-BLK1	Blank	05/01/24
BE40038-BS1	LCS	05/01/24
BE40038-MS1	Matrix Spike	05/01/24
BE40038-MSD1	Matrix Spike Dup	05/01/24

Batch ID: BE40048 **Preparation Method:** Preparation for GC Analysis **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
24D1634-01	Hanger E MW-1	05/01/24
24D1634-05	XDD MW-11	05/01/24
24D1634-06	FMW-37	05/01/24
BE40048-BLK1	Blank	05/01/24
BE40048-DUP1	Duplicate	05/01/24

Batch ID: BE40120 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24D1634-01RE1	Hanger E MW-1	05/02/24
24D1634-03	MW-7S	05/02/24
24D1634-07RE1	Field Duplicate	05/02/24
BE40120-BLK1	Blank	05/02/24
BE40120-BS1	LCS	05/02/24

Batch ID: BE40139 **Preparation Method:** EPA 1633 Prep **Prepared By:** K H

YORK Sample ID	Client Sample ID	Preparation Date
24D1634-01	Hanger E MW-1	05/02/24
24D1634-02	Hanger E MW-4	05/02/24
24D1634-03	MW-7S	05/02/24
24D1634-05	XDD MW-11	05/02/24
24D1634-07	Field Duplicate	05/02/24
24D1634-09	Field Blank	05/02/24
BE40139-BLK1	Blank	05/02/24
BE40139-BS1	LCS	05/02/24
BE40139-BS2	LCS	05/02/24

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 BD42279 - EPA 5030B											
Blank (BD42279-BLK1)							Prepared & Analyzed: 04/30/2024				
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Batch BD42279 - EPA 5030B

Blank (BD42279-BLK1) Prepared & Analyzed: 04/30/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.65*		*"*	*10.0*		*96.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.1*		*"*	*10.0*		*111*	*79-122*				

LCS (BD42279-BS1) Prepared & Analyzed: 04/30/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	9.7		"	10.0		97.1	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		113	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		101	54-165				
1,1,2-Trichloroethane	10		"	10.0		101	82-123				
1,1-Dichloroethane	9.5		"	10.0		94.7	82-129				
1,1-Dichloroethylene	10		"	10.0		105	68-138				
1,2,3-Trichlorobenzene	1.1		"	10.0		11.0	40-130	Low Bias			
1,2,3-Trichloropropane	11		"	10.0		110	77-128				
1,2,4-Trichlorobenzene	6.9		"	10.0		68.6	65-137				
1,2,4-Trimethylbenzene	11		"	10.0		113	82-132				
1,2-Dibromo-3-chloropropane	8.9		"	10.0		89.0	45-147				
1,2-Dibromoethane	10		"	10.0		104	83-124				
1,2-Dichlorobenzene	11		"	10.0		111	79-123				
1,2-Dichloroethane	8.9		"	10.0		88.8	73-132				
1,2-Dichloropropane	11		"	10.0		111	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		115	80-131				
1,3-Dichlorobenzene	11		"	10.0		111	86-130				
1,4-Dichlorobenzene	11		"	10.0		109	85-130				
1,4-Dioxane	130		"	210		59.8	10-349				
2-Butanone	7.4		"	10.0		74.0	49-152				
2-Hexanone	8.3		"	10.0		83.2	51-146				
4-Methyl-2-pentanone	9.2		"	10.0		92.5	57-145				
Acetone	5.4		"	10.0		54.3	14-150				
Acrolein	6.8		"	10.0		68.4	10-153				
Acrylonitrile	9.0		"	10.0		89.7	51-150				

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 BD42279 - EPA 5030B											
LCS (BD42279-BS1)								Prepared & Analyzed: 04/30/2024			
Benzene	9.6		ug/L	10.0		95.9	85-126				
Bromochloromethane	9.2		"	10.0		92.3	77-128				
Bromodichloromethane	10		"	10.0		104	79-128				
Bromoform	11		"	10.0		106	78-133				
Bromomethane	8.8		"	10.0		88.1	43-168				
Carbon disulfide	11		"	10.0		106	68-146				
Carbon tetrachloride	10		"	10.0		100	77-141				
Chlorobenzene	11		"	10.0		113	88-120				
Chloroethane	9.7		"	10.0		97.4	65-136				
Chloroform	9.2		"	10.0		92.5	82-128				
Chloromethane	7.9		"	10.0		79.2	43-155				
cis-1,2-Dichloroethylene	9.2		"	10.0		92.3	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131				
Cyclohexane	10		"	10.0		103	63-149				
Dibromochloromethane	10		"	10.0		103	80-130				
Dibromomethane	9.9		"	10.0		98.8	72-134				
Dichlorodifluoromethane	9.8		"	10.0		97.9	44-144				
Ethyl Benzene	11		"	10.0		111	80-131				
Hexachlorobutadiene	11		"	10.0		112	67-146				
Isopropylbenzene	12		"	10.0		125	76-140				
Methyl acetate	8.4		"	10.0		83.6	51-139				
Methyl tert-butyl ether (MTBE)	8.5		"	10.0		85.1	76-135				
Methylcyclohexane	11		"	10.0		112	72-143				
Methylene chloride	10		"	10.0		105	55-137				
n-Butylbenzene	11		"	10.0		110	79-132				
n-Propylbenzene	12		"	10.0		121	78-133				
o-Xylene	11		"	10.0		111	78-130				
p- & m- Xylenes	23		"	20.0		114	77-133				
p-Isopropyltoluene	12		"	10.0		116	81-136				
sec-Butylbenzene	12		"	10.0		121	79-137				
Styrene	11		"	10.0		106	67-132				
tert-Butyl alcohol (TBA)	44		"	50.0		88.7	25-162				
tert-Butylbenzene	12		"	10.0		123	77-138				
Tetrachloroethylene	6.1		"	10.0		60.9	82-131	Low Bias			
Toluene	11		"	10.0		110	80-127				
trans-1,2-Dichloroethylene	9.8		"	10.0		98.2	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		100	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		109	63-141				
Trichloroethylene	11		"	10.0		107	82-128				
Trichlorofluoromethane	10		"	10.0		101	67-139				
Vinyl Chloride	9.6		"	10.0		96.5	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.48*		"	*10.0*		*94.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.8*		"	*10.0*		*108*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.8*		"	*10.0*		*108*	*79-122*				

Batch BD42279 - EPA 5030B

LCS Dup (BD42279-BSD1) Prepared & Analyzed: 04/30/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		96.5	82-126		8.53	30	
1,1,1-Trichloroethane	8.5		"	10.0		85.3	78-136		12.9	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		110	76-129		2.96	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.0		"	10.0		90.3	54-165		11.0	30	
1,1,2-Trichloroethane	9.3		"	10.0		93.3	82-123		7.53	30	
1,1-Dichloroethane	8.6		"	10.0		86.1	82-129		9.51	30	
1,1-Dichloroethylene	9.2		"	10.0		91.8	68-138		13.3	30	
1,2,3-Trichlorobenzene	2.6		"	10.0		26.3	40-130	Low Bias	82.0	30	Non-dir.
1,2,3-Trichloropropane	10		"	10.0		104	77-128		5.22	30	
1,2,4-Trichlorobenzene	6.4		"	10.0		64.4	65-137	Low Bias	6.32	30	
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132		10.7	30	
1,2-Dibromo-3-chloropropane	8.5		"	10.0		84.8	45-147		4.83	30	
1,2-Dibromoethane	9.9		"	10.0		98.7	83-124		4.84	30	
1,2-Dichlorobenzene	10		"	10.0		102	79-123		8.47	30	
1,2-Dichloroethane	8.4		"	10.0		83.8	73-132		5.79	30	
1,2-Dichloropropane	10		"	10.0		101	78-126		9.06	30	
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131		11.8	30	
1,3-Dichlorobenzene	10		"	10.0		102	86-130		8.57	30	
1,4-Dichlorobenzene	10		"	10.0		101	85-130		7.71	30	
1,4-Dioxane	97		"	210		46.1	10-349		25.9	30	
2-Butanone	7.1		"	10.0		71.2	49-152		3.86	30	
2-Hexanone	7.6		"	10.0		76.2	51-146		8.78	30	
4-Methyl-2-pentanone	8.7		"	10.0		87.4	57-145		5.67	30	
Acetone	4.4		"	10.0		44.0	14-150		21.0	30	
Acrolein	5.9		"	10.0		58.9	10-153		14.9	30	
Acrylonitrile	8.3		"	10.0		83.2	51-150		7.52	30	
Benzene	8.7		"	10.0		87.4	85-126		9.27	30	
Bromochloromethane	8.6		"	10.0		86.4	77-128		6.60	30	
Bromodichloromethane	9.6		"	10.0		96.5	79-128		7.86	30	
Bromoform	10		"	10.0		100	78-133		6.00	30	
Bromomethane	8.6		"	10.0		86.5	43-168		1.83	30	
Carbon disulfide	9.5		"	10.0		94.8	68-146		10.9	30	
Carbon tetrachloride	8.6		"	10.0		86.3	77-141		14.7	30	
Chlorobenzene	10		"	10.0		104	88-120		8.67	30	
Chloroethane	9.3		"	10.0		92.7	65-136		4.94	30	
Chloroform	8.6		"	10.0		85.9	82-128		7.40	30	
Chloromethane	8.5		"	10.0		85.1	43-155		7.18	30	
cis-1,2-Dichloroethylene	8.6		"	10.0		85.9	83-129		7.18	30	
cis-1,3-Dichloropropylene	9.7		"	10.0		96.6	80-131		7.38	30	
Cyclohexane	8.9		"	10.0		88.9	63-149		14.6	30	
Dibromochloromethane	9.7		"	10.0		97.4	80-130		5.98	30	
Dibromomethane	9.3		"	10.0		92.9	72-134		6.16	30	
Dichlorodifluoromethane	12		"	10.0		122	44-144		21.5	30	
Ethyl Benzene	10		"	10.0		100	80-131		10.7	30	
Hexachlorobutadiene	9.3		"	10.0		92.7	67-146		18.8	30	
Isopropylbenzene	11		"	10.0		111	76-140		11.7	30	
Methyl acetate	7.7		"	10.0		76.9	51-139		8.35	30	
Methyl tert-butyl ether (MTBE)	7.9		"	10.0		79.0	76-135		7.43	30	
Methylcyclohexane	9.4		"	10.0		94.5	72-143		17.3	30	
Methylene chloride	11		"	10.0		106	55-137		1.42	30	

Batch BD42279 - EPA 5030B

LCS Dup (BD42279-BSD1) Prepared & Analyzed: 04/30/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
n-Butylbenzene	9.5		ug/L	10.0		95.0	79-132		14.7	30	
n-Propylbenzene	11		"	10.0		107	78-133		12.4	30	
o-Xylene	10		"	10.0		101	78-130		9.55	30	
p- & m- Xylenes	21		"	20.0		103	77-133		10.3	30	
p-Isopropyltoluene	10		"	10.0		101	81-136		13.9	30	
sec-Butylbenzene	11		"	10.0		105	79-137		14.1	30	
Styrene	9.8		"	10.0		98.3	67-132		8.01	30	
tert-Butyl alcohol (TBA)	38		"	50.0		75.4	25-162		16.1	30	
tert-Butylbenzene	11		"	10.0		107	77-138		13.7	30	
Tetrachloroethylene	5.3		"	10.0		53.2	82-131	Low Bias	13.5	30	
Toluene	9.9		"	10.0		98.9	80-127		10.5	30	
trans-1,2-Dichloroethylene	8.8		"	10.0		88.3	80-132		10.6	30	
trans-1,3-Dichloropropylene	9.5		"	10.0		95.0	78-131		5.53	30	
trans-1,4-dichloro-2-butene	10		"	10.0		103	63-141		5.48	30	
Trichloroethylene	9.5		"	10.0		94.7	82-128		11.9	30	
Trichlorofluoromethane	9.0		"	10.0		90.3	67-139		11.0	30	
Vinyl Chloride	9.5		"	10.0		95.2	58-145		1.36	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.59*		*"*	*10.0*		*95.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.7*		*"*	*10.0*		*107*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*79-122*				

Matrix Spike (BD42279-MS1) *Source sample: 24D1634-01 (Hanger E MW-1) Prepared: 04/30/2024 Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	13		ug/L	10.0	0.0	125	45-161				
1,1,1-Trichloroethane	14		"	10.0	1.4	123	70-146				
1,1,2,2-Tetrachloroethane	14		"	10.0	0.0	137	74-121	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0	0.0	142	21-217				
1,1,2-Trichloroethane	12		"	10.0	0.0	120	59-146				
1,1-Dichloroethane	20		"	10.0	8.6	116	54-146				
1,1-Dichloroethylene	32		"	10.0	18	138	44-165				
1,2,3-Trichlorobenzene	1.8		"	10.0	0.0	17.7	40-161	Low Bias			
1,2,3-Trichloropropane	13		"	10.0	0.0	131	74-127	High Bias			
1,2,4-Trichlorobenzene	6.4		"	10.0	0.0	63.5	41-161				
1,2,4-Trimethylbenzene	13		"	10.0	0.0	134	72-129	High Bias			
1,2-Dibromo-3-chloropropane	10		"	10.0	0.0	99.9	31-151				
1,2-Dibromoethane	12		"	10.0	0.0	125	75-125				
1,2-Dichlorobenzene	13		"	10.0	0.25	128	63-122	High Bias			
1,2-Dichloroethane	14		"	10.0	3.4	108	68-131				
1,2-Dichloropropane	13		"	10.0	0.0	133	77-121	High Bias			
1,3,5-Trimethylbenzene	14		"	10.0	0.0	136	69-126	High Bias			
1,3-Dichlorobenzene	13		"	10.0	0.0	131	74-119	High Bias			
1,4-Dichlorobenzene	13		"	10.0	0.0	130	70-124	High Bias			
1,4-Dioxane	1500		"	210	920	266	10-310				
2-Butanone	9.6		"	10.0	0.0	96.1	10-193				
2-Hexanone	11		"	10.0	0.0	110	53-133				
4-Methyl-2-pentanone	12		"	10.0	0.0	116	38-150				
Acetone	6.2		"	10.0	0.0	61.9	13-149				
Acrolein	7.1		"	10.0	0.0	70.9	10-195				
Acrylonitrile	11		"	10.0	0.0	109	37-165				
Benzene	12		"	10.0	0.61	117	38-155				
Bromochloromethane	11		"	10.0	0.0	112	75-121				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BD42279 - EPA 5030B

Matrix Spike (BD42279-MS1) *Source sample: 24D1634-01 (Hanger E MW-1) Prepared: 04/30/2024 Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Bromodichloromethane	13		ug/L	10.0	0.0	127	70-129				
Bromoform	13		"	10.0	0.0	127	66-136				
Bromomethane	11		"	10.0	0.0	114	30-158				
Carbon disulfide	14		"	10.0	0.0	140	10-138	High Bias			
Carbon tetrachloride	13		"	10.0	0.0	127	71-146				
Chlorobenzene	14		"	10.0	0.0	135	81-117	High Bias			
Chloroethane	40		"	10.0	26	138	51-145				
Chloroform	11		"	10.0	0.0	112	80-124				
Chloromethane	12		"	10.0	0.0	117	16-163				
cis-1,2-Dichloroethylene	14		"	10.0	3.0	112	76-125				
cis-1,3-Dichloropropylene	12		"	10.0	0.0	125	58-131				
Cyclohexane	14		"	10.0	0.31	132	70-130	High Bias			
Dibromochloromethane	12		"	10.0	0.0	124	71-129				
Dibromomethane	12		"	10.0	0.0	121	76-120	High Bias			
Dichlorodifluoromethane	20		"	10.0	0.0	195	30-147	High Bias			
Ethyl Benzene	14		"	10.0	0.0	137	72-128	High Bias			
Hexachlorobutadiene	11		"	10.0	0.0	112	34-166				
Isopropylbenzene	16		"	10.0	0.32	153	66-139	High Bias			
Methyl acetate	10		"	10.0	0.0	104	10-200				
Methyl tert-butyl ether (MTBE)	10		"	10.0	0.0	104	75-128				
Methylcyclohexane	15		"	10.0	0.67	139	70-130	High Bias			
Methylene chloride	12		"	10.0	0.24	115	57-128				
n-Butylbenzene	13		"	10.0	0.0	130	61-138				
n-Propylbenzene	15		"	10.0	0.0	149	66-134	High Bias			
o-Xylene	14		"	10.0	0.38	132	69-126	High Bias			
p- & m- Xylenes	28		"	20.0	0.25	139	67-130	High Bias			
p-Isopropyltoluene	14		"	10.0	0.0	137	64-137				
sec-Butylbenzene	15		"	10.0	0.37	146	53-155				
Styrene	13		"	10.0	0.0	128	69-125	High Bias			
tert-Butyl alcohol (TBA)	48		"	50.0	0.0	95.7	10-130				
tert-Butylbenzene	15		"	10.0	0.30	146	65-139	High Bias			
Tetrachloroethylene	7.5		"	10.0	0.0	75.3	64-139				
Toluene	13		"	10.0	0.0	135	76-123	High Bias			
trans-1,2-Dichloroethylene	12		"	10.0	0.0	125	79-131				
trans-1,3-Dichloropropylene	12		"	10.0	0.0	120	55-130				
trans-1,4-dichloro-2-butene	13		"	10.0	0.0	134	25-155				
Trichloroethylene	14		"	10.0	0.48	134	53-145				
Trichlorofluoromethane	14		"	10.0	0.0	142	61-142				
Vinyl Chloride	130		"	10.0	110	142	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.65*		"	*10.0*		*96.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.8*		"	*10.0*		*108*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.8*		"	*10.0*		*108*	*79-122*				

Batch BD42279 - EPA 5030B

Matrix Spike Dup (BD42279-MSD1) *Source sample: 24D1634-01 (Hanger E MW-1) Prepared: 04/30/2024 Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	13		ug/L	10.0	0.0	133	45-161		6.27	30	
1,1,1-Trichloroethane	15		"	10.0	1.4	139	70-146		12.5	30	
1,1,2,2-Tetrachloroethane	15		"	10.0	0.0	146	74-121	High Bias	6.42	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15		"	10.0	0.0	151	21-217		6.27	30	
1,1,2-Trichloroethane	13		"	10.0	0.0	127	59-146		5.49	30	
1,1-Dichloroethane	21		"	10.0	8.6	124	54-146		6.60	30	
1,1-Dichloroethylene	33		"	10.0	18	148	44-165		7.26	30	
1,2,3-Trichlorobenzene	3.9		"	10.0	0.0	38.8	40-161	Low Bias	74.7	30	Non-dir.
1,2,3-Trichloropropane	14		"	10.0	0.0	141	74-127	High Bias	7.65	30	
1,2,4-Trichlorobenzene	5.8		"	10.0	0.0	58.2	41-161		8.71	30	
1,2,4-Trimethylbenzene	14		"	10.0	0.0	142	72-129	High Bias	6.45	30	
1,2-Dibromo-3-chloropropane	10		"	10.0	0.0	104	31-151		4.50	30	
1,2-Dibromoethane	13		"	10.0	0.0	133	75-125	High Bias	6.52	30	
1,2-Dichlorobenzene	14		"	10.0	0.25	135	63-122	High Bias	5.10	30	
1,2-Dichloroethane	14		"	10.0	3.4	110	68-131		1.19	30	
1,2-Dichloropropane	14		"	10.0	0.0	142	77-121	High Bias	6.90	30	
1,3,5-Trimethylbenzene	15		"	10.0	0.0	145	69-126	High Bias	6.18	30	
1,3-Dichlorobenzene	14		"	10.0	0.0	138	74-119	High Bias	5.51	30	
1,4-Dichlorobenzene	14		"	10.0	0.0	137	70-124	High Bias	5.40	30	
1,4-Dioxane	1600		"	210	920	327	10-310	High Bias	20.6	30	
2-Butanone	10		"	10.0	0.0	100	10-193		3.98	30	
2-Hexanone	12		"	10.0	0.0	117	53-133		6.62	30	
4-Methyl-2-pentanone	12		"	10.0	0.0	123	38-150		5.77	30	
Acetone	6.6		"	10.0	0.0	66.4	13-149		7.01	30	
Acrolein	7.6		"	10.0	0.0	75.9	10-195		6.81	30	
Acrylonitrile	11		"	10.0	0.0	114	37-165		4.58	30	
Benzene	13		"	10.0	0.61	124	38-155		5.82	30	
Bromochloromethane	12		"	10.0	0.0	117	75-121		4.89	30	
Bromodichloromethane	13		"	10.0	0.0	135	70-129	High Bias	6.05	30	
Bromoform	13		"	10.0	0.0	135	66-136		5.96	30	
Bromomethane	13		"	10.0	0.0	127	30-158		10.6	30	
Carbon disulfide	15		"	10.0	0.0	147	10-138	High Bias	5.10	30	
Carbon tetrachloride	13		"	10.0	0.0	134	71-146		5.14	30	
Chlorobenzene	14		"	10.0	0.0	144	81-117	High Bias	6.10	30	
Chloroethane	37		"	10.0	26	109	51-145		24.0	30	
Chloroform	12		"	10.0	0.0	118	80-124		5.49	30	
Chloromethane	13		"	10.0	0.0	129	16-163		9.42	30	
cis-1,2-Dichloroethylene	15		"	10.0	3.0	118	76-125		5.40	30	
cis-1,3-Dichloropropylene	13		"	10.0	0.0	132	58-131	High Bias	5.83	30	
Cyclohexane	14		"	10.0	0.31	139	70-130	High Bias	5.17	30	
Dibromochloromethane	13		"	10.0	0.0	132	71-129	High Bias	5.86	30	
Dibromomethane	13		"	10.0	0.0	128	76-120	High Bias	5.78	30	
Dichlorodifluoromethane	21		"	10.0	0.0	211	30-147	High Bias	7.92	30	
Ethyl Benzene	14		"	10.0	0.0	144	72-128	High Bias	5.26	30	
Hexachlorobutadiene	12		"	10.0	0.0	117	34-166		4.11	30	
Isopropylbenzene	17		"	10.0	0.32	165	66-139	High Bias	7.30	30	
Methyl acetate	11		"	10.0	0.0	109	10-200		4.04	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0	0.0	108	75-128		4.43	30	
Methylcyclohexane	15		"	10.0	0.67	146	70-130	High Bias	5.11	30	
Methylene chloride	12		"	10.0	0.24	121	57-128		4.58	30	

Batch BD42279 - EPA 5030B

Matrix Spike Dup (BD42279-MSD1) *Source sample: 24D1634-01 (Hanger E MW-1) Prepared: 04/30/2024 Analyzed: 05/01/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
n-Butylbenzene	14		ug/L	10.0	0.0	138	61-138		5.45	30	
n-Propylbenzene	16		"	10.0	0.0	160	66-134	High Bias	7.00	30	
o-Xylene	14		"	10.0	0.38	140	69-126	High Bias	5.43	30	
p- & m- Xylenes	30		"	20.0	0.25	146	67-130	High Bias	5.47	30	
p-Isopropyltoluene	15		"	10.0	0.0	145	64-137	High Bias	5.66	30	
sec-Butylbenzene	16		"	10.0	0.37	155	53-155		5.77	30	
Styrene	13		"	10.0	0.0	135	69-125	High Bias	5.26	30	
tert-Butyl alcohol (TBA)	64		"	50.0	0.0	127	10-130		28.5	30	
tert-Butylbenzene	16		"	10.0	0.30	156	65-139	High Bias	6.55	30	
Tetrachloroethylene	7.9		"	10.0	0.0	79.2	64-139		5.05	30	
Toluene	14		"	10.0	0.0	144	76-123	High Bias	6.40	30	
trans-1,2-Dichloroethylene	13		"	10.0	0.0	132	79-131	High Bias	5.38	30	
trans-1,3-Dichloropropylene	13		"	10.0	0.0	128	55-130		6.68	30	
trans-1,4-dichloro-2-butene	14		"	10.0	0.0	143	25-155		6.86	30	
Trichloroethylene	15		"	10.0	0.48	143	53-145		6.87	30	
Trichlorofluoromethane	15		"	10.0	0.0	151	61-142	High Bias	6.27	30	
Vinyl Chloride	120		"	10.0	110	81.2	31-165		54.3	30	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.64*		*"*	*10.0*		*96.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.9*		*"*	*10.0*		*109*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.2*		*"*	*10.0*		*112*	*79-122*				

Batch BE40120 - EPA 5030B

Blank (BE40120-BLK1) Prepared & Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

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 BE40120 - EPA 5030B											
Blank (BE40120-BLK1)							Prepared & Analyzed: 05/02/2024				
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.51*		"	*10.0*		*95.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.8*		"	*10.0*		*108*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.72*		"	*10.0*		*97.2*	*79-122*				

Batch BE40120 - EPA 5030B

LCS (BE40120-BS1) Prepared & Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	9.7		"	10.0		97.3	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		108	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		107	54-165				
1,1,2-Trichloroethane	10		"	10.0		102	82-123				
1,1-Dichloroethane	9.4		"	10.0		94.0	82-129				
1,1-Dichloroethylene	10		"	10.0		104	68-138				
1,2,3-Trichlorobenzene	25		"	10.0		251	40-130	High Bias			
1,2,3-Trichloropropane	10		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	16		"	10.0		159	65-137	High Bias			
1,2,4-Trimethylbenzene	11		"	10.0		110	82-132				
1,2-Dibromo-3-chloropropane	4.6		"	10.0		45.9	45-147				
1,2-Dibromoethane	11		"	10.0		107	83-124				
1,2-Dichlorobenzene	12		"	10.0		116	79-123				
1,2-Dichloroethane	9.1		"	10.0		90.6	73-132				
1,2-Dichloropropane	11		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		110	80-131				
1,3-Dichlorobenzene	11		"	10.0		113	86-130				
1,4-Dichlorobenzene	11		"	10.0		112	85-130				
1,4-Dioxane	37		"	210		17.6	10-349				
2-Butanone	8.0		"	10.0		79.9	49-152				
2-Hexanone	8.7		"	10.0		87.1	51-146				
4-Methyl-2-pentanone	9.8		"	10.0		97.7	57-145				
Acetone	5.2		"	10.0		52.4	14-150				
Acrolein	6.6		"	10.0		65.9	10-153				
Acrylonitrile	9.0		"	10.0		90.1	51-150				
Benzene	9.6		"	10.0		96.1	85-126				
Bromochloromethane	9.4		"	10.0		94.0	77-128				
Bromodichloromethane	10		"	10.0		104	79-128				
Bromoform	11		"	10.0		113	78-133				
Bromomethane	9.4		"	10.0		94.3	43-168				
Carbon disulfide	11		"	10.0		110	68-146				
Carbon tetrachloride	10		"	10.0		100	77-141				
Chlorobenzene	12		"	10.0		116	88-120				
Chloroethane	11		"	10.0		107	65-136				
Chloroform	9.4		"	10.0		93.6	82-128				
Chloromethane	11		"	10.0		106	43-155				
cis-1,2-Dichloroethylene	9.4		"	10.0		94.5	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131				
Cyclohexane	10		"	10.0		103	63-149				
Dibromochloromethane	11		"	10.0		106	80-130				
Dibromomethane	10		"	10.0		100	72-134				
Dichlorodifluoromethane	14		"	10.0		140	44-144				
Ethyl Benzene	11		"	10.0		114	80-131				
Hexachlorobutadiene	20		"	10.0		198	67-146	High Bias			
Isopropylbenzene	11		"	10.0		113	76-140				
Methyl acetate	8.7		"	10.0		87.4	51-139				
Methyl tert-butyl ether (MTBE)	8.7		"	10.0		87.0	76-135				
Methylcyclohexane	11		"	10.0		112	72-143				
Methylene chloride	11		"	10.0		106	55-137				

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

Batch BE40120 - EPA 5030B

LCS (BE40120-BS1) Prepared & Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
n-Butylbenzene	12		ug/L	10.0		120	79-132				
n-Propylbenzene	11		"	10.0		113	78-133				
o-Xylene	12		"	10.0		116	78-130				
p- & m- Xylenes	24		"	20.0		118	77-133				
p-Isopropyltoluene	12		"	10.0		117	81-136				
sec-Butylbenzene	12		"	10.0		119	79-137				
Styrene	11		"	10.0		114	67-132				
tert-Butyl alcohol (TBA)	39		"	50.0		78.5	25-162				
tert-Butylbenzene	12		"	10.0		116	77-138				
Tetrachloroethylene	6.1		"	10.0		61.4	82-131	Low Bias			
Toluene	11		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	9.7		"	10.0		97.4	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		105	78-131				
trans-1,4-dichloro-2-butene	10		"	10.0		103	63-141				
Trichloroethylene	10		"	10.0		104	82-128				
Trichlorofluoromethane	11		"	10.0		107	67-139				
Vinyl Chloride	12		"	10.0		115	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.48*		*"*	*10.0*		*94.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.63*		*"*	*10.0*		*96.3*	*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 BD42023 - EPA 3535A											
Blank (BD42023-BLK1)							Prepared & Analyzed: 04/26/2024				
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*2.34*		"	*4.00*		*58.5*	*36.6-118*				
LCS (BD42023-BS1)							Prepared & Analyzed: 04/26/2024				
1,4-Dioxane	4.10	0.300	ug/L	4.00		102	50-130				
Surrogate: 1,4-Dioxane-d8	*2.04*		"	*4.00*		*50.9*	*36.6-118*				
Matrix Spike (BD42023-MS1)	*Source sample: 24D1414-01 (Matrix Spike)						Prepared & Analyzed: 04/26/2024				
1,4-Dioxane	3.76	0.300	ug/L	4.00	ND	94.0	50-130				
Surrogate: 1,4-Dioxane-d8	*2.60*		"	*4.00*		*65.1*	*50-130*				
Matrix Spike Dup (BD42023-MSD1)	*Source sample: 24D1414-01 (Matrix Spike Dup)						Prepared & Analyzed: 04/26/2024				
1,4-Dioxane	4.03	0.300	ug/L	4.00	ND	101	50-130		6.98	30	
Surrogate: 1,4-Dioxane-d8	*2.10*		"	*4.00*		*52.5*	*50-130*				
Batch BE40038 - EPA 3535A											
Blank (BE40038-BLK1)							Prepared: 05/01/2024 Analyzed: 05/02/2024				
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*3.39*		"	*4.00*		*84.6*	*36.6-118*				
LCS (BE40038-BS1)							Prepared: 05/01/2024 Analyzed: 05/02/2024				
1,4-Dioxane	3.73	0.300	ug/L	4.00		93.2	50-130				
Surrogate: 1,4-Dioxane-d8	*3.03*		"	*4.00*		*75.7*	*36.6-118*				
Matrix Spike (BE40038-MS1)	*Source sample: 24D1634-01 (Hanger E MW-1)						Prepared: 05/01/2024 Analyzed: 05/02/2024				
1,4-Dioxane	1590	0.300	ug/L	4.00	1170	NR	50-130	High Bias			
Surrogate: 1,4-Dioxane-d8	*2.76*		"	*4.00*		*69.1*	*50-130*				

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 BE40038 - EPA 3535A											
Matrix Spike Dup (BE40038-MSD1)	*Source sample: 24D1634-01 (Hanger E MW-1)							Prepared: 05/01/2024 Analyzed: 05/02/2024			
1,4-Dioxane	1610	0.300	ug/L	4.00	1170	NR	50-130	High Bias	1.32	30	
Surrogate: 1,4-Dioxane-d8	*2.57*		*"*	*4.00*		*64.3*	*50-130*				

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

Batch BE40139 - EPA 1633 Prep

Blank (BE40139-BLK1) Prepared: 05/02/2024 Analyzed: 05/03/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	1.15	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	*28.8*		*"*	*46.6*		*61.9*	*25-150*				
Surrogate: M5PFHxA	*31.8*		*"*	*50.0*		*63.7*	*25-150*				
Surrogate: M4PFHpA	*58.3*		*"*	*50.0*		*117*	*25-150*				
Surrogate: M3PFHxS	*42.5*		*"*	*47.4*		*89.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*36.3*		*"*	*50.0*		*72.7*	*25-150*				
Surrogate: M6PFDA	*22.1*		*"*	*25.0*		*88.4*	*25-150*				
Surrogate: M7PFUdA	*21.2*		*"*	*25.0*		*85.0*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40139 - EPA 1633 Prep											
Blank (BE40139-BLK1)								Prepared: 05/02/2024 Analyzed: 05/03/2024			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*14.7*		*ng/L*	*25.0*		*58.7*	*25-150*				
Surrogate: M2PFTeDA	*18.5*		"	*25.0*		*74.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.72*		"	*200*		*0.858*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*46.0*		"	*47.9*		*96.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*21.1*		"	*100*		*21.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*36.2*		"	*50.0*		*72.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*65.8*		"	*100*		*65.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*65.6*		"	*100*		*65.6*	*25-150*				
Surrogate: M2-6:2 FTS	*278*		"	*95.1*		*292*	*25-200*				
Surrogate: M2-8:2 FTS	*130*		"	*96.0*		*135*	*25-200*				
Surrogate: M9PFNA	*21.3*		"	*25.0*		*85.3*	*25-150*				
Surrogate: M2-4:2 FTS	*171*		"	*93.8*		*182*	*25-150*				
Surrogate: d-N-MeFOSA	*38.4*		"	*50.0*		*76.8*	*25-150*				
Surrogate: d-N-EtFOSA	*38.9*		"	*50.0*		*77.8*	*25-150*				
Surrogate: M3HFPO-DA	*134*		"	*200*		*66.8*	*25-150*				
Surrogate: d9-N-EtFOSE	*268*		"	*500*		*53.5*	*25-150*				
Surrogate: d7-N-MeFOSE	*273*		"	*500*		*54.6*	*25-150*				
LCS (BE40139-BS1)								Prepared: 05/02/2024 Analyzed: 05/03/2024			
Perfluorobutanesulfonic acid (PFBS)	62.7	3.54	ng/L	70.8		88.5	50-150				
Perfluorohexanoic acid (PFHxA)	73.5	4.00	"	80.0		91.9	50-150				
Perfluoroheptanoic acid (PFHpA)	52.5	4.00	"	80.0		65.6	50-150				
Perfluorohexanesulfonic acid (PFHxS)	70.9	3.66	"	73.2		96.9	50-150				
Perfluorooctanoic acid (PFOA)	80.8	4.00	"	80.0		101	50-150				
Perfluorooctanesulfonic acid (PFOS)	65.2	3.72	"	74.4		87.6	50-150				
Perfluorononanoic acid (PFNA)	79.4	4.00	"	80.0		99.3	50-150				
Perfluorodecanoic acid (PFDA)	85.0	4.00	"	80.0		106	50-150				
Perfluoroundecanoic acid (PFUnA)	90.0	4.00	"	80.0		113	50-150				
Perfluorododecanoic acid (PFDoA)	82.9	4.00	"	80.0		104	50-150				
Perfluorotridecanoic acid (PFTrDA)	96.9	4.00	"	80.0		121	50-150				
Perfluorotetradecanoic acid (PFTA)	73.6	4.00	"	80.0		92.0	50-150				
N-MeFOSAA	83.6	4.00	"	80.0		105	50-150				
N-EtFOSAA	73.8	4.00	"	80.0		92.3	50-150				
Perfluoropentanoic acid (PFPeA)	143	8.00	"	160		89.5	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	76.3	4.00	"	80.0		95.3	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	68.3	3.82	"	76.4		89.3	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	72.1	3.86	"	77.2		93.4	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	330	15.2	"	304		109	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	275	15.4	"	307		89.4	50-150				
Perfluoro-n-butanoic acid (PFBA)	183	16.0	"	320		57.2	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	127	7.12	"	142		89.3	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	102	8.00	"	160		63.5	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	15.8	8.00	"	160		9.88	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	249	8.00	"	160		156	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	64.3	3.76	"	75.2		85.5	50-150				

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

York Analytical Laboratories, Inc. - Stratford

Batch BE40139 - EPA 1633 Prep

LCS (BE40139-BS1) Prepared: 05/02/2024 Analyzed: 05/03/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	325	15.0	ng/L	300		108	50-150				
HFPO-DA (Gen-X)	143	16.0	"	160		89.6	50-150				
11CL-PF3OUdS	152	15.1	"	151		100	50-150				
9CL-PF3ONS	186	15.0	"	150		125	50-150				
ADONA	204	15.1	"	151		135	50-150				
Perfluorododecanesulfonic acid (PFDoS)	37.6	3.88	"	77.6		48.4	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	66.9	3.84	"	76.8		87.1	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	183	10.0	"	320		57.1	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	2150	50.0	"	1600		134	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	2650	50.0	"	1600		166	50-150	High Bias			
N-MeFOSE	630	40.0	"	800		78.7	50-150				
N-MeFOSA	75.4	4.00	"	80.0		94.3	50-150				
N-EtFOSE	685	40.0	"	800		85.6	50-150				
N-EtFOSA	85.3	4.00	"	80.0		107	50-150				
Surrogate: M3PFBS	*28.8*		"	*46.6*		*61.8*	*25-150*				
Surrogate: M5PFHxA	*32.8*		"	*50.0*		*65.7*	*25-150*				
Surrogate: M4PFHpA	*57.9*		"	*50.0*		*116*	*25-150*				
Surrogate: M3PFHxS	*41.7*		"	*47.4*		*88.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*37.7*		"	*50.0*		*75.4*	*25-150*				
Surrogate: M6PFDA	*21.1*		"	*25.0*		*84.3*	*25-150*				
Surrogate: M7PFUdA	*21.4*		"	*25.0*		*85.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*17.0*		"	*25.0*		*67.9*	*25-150*				
Surrogate: M2PFTeDA	*12.4*		"	*25.0*		*49.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*2.06*		"	*200*		*1.03*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*40.6*		"	*47.9*		*84.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*20.7*		"	*100*		*20.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*47.6*		"	*50.0*		*95.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*76.8*		"	*100*		*76.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*76.4*		"	*100*		*76.4*	*25-150*				
Surrogate: M2-6:2 FTS	*172*		"	*95.1*		*181*	*25-200*				
Surrogate: M2-8:2 FTS	*104*		"	*96.0*		*109*	*25-200*				
Surrogate: M9PFNA	*19.5*		"	*25.0*		*78.1*	*25-150*				
Surrogate: M2-4:2 FTS	*137*		"	*93.8*		*146*	*25-150*				
Surrogate: d-N-MeFOSA	*43.4*		"	*50.0*		*86.8*	*25-150*				
Surrogate: d-N-EtFOSA	*38.9*		"	*50.0*		*77.9*	*25-150*				
Surrogate: M3HFPO-DA	*127*		"	*200*		*63.6*	*25-150*				
Surrogate: d9-N-EtFOSE	*207*		"	*500*		*41.4*	*25-150*				
Surrogate: d7-N-MeFOSE	*217*		"	*500*		*43.4*	*25-150*				

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

Batch BE40139 - EPA 1633 Prep

LCS (BE40139-BS2) Prepared: 05/02/2024 Analyzed: 05/03/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	13.4	3.54	ng/L	14.2		94.6	50-150				
Perfluorohexanoic acid (PFHxA)	16.5	4.00	"	16.0		103	50-150				
Perfluoroheptanoic acid (PFHpA)	11.3	4.00	"	16.0		70.4	50-150				
Perfluorohexanesulfonic acid (PFHxS)	17.3	3.66	"	14.6		118	50-150				
Perfluorooctanoic acid (PFOA)	17.2	4.00	"	16.0		108	50-150				
Perfluorooctanesulfonic acid (PFOS)	14.5	3.72	"	14.9		97.8	50-150				
Perfluorononanoic acid (PFNA)	19.1	4.00	"	16.0		119	50-150				
Perfluorodecanoic acid (PFDA)	21.0	4.00	"	16.0		131	50-150				
Perfluoroundecanoic acid (PFUnA)	18.9	4.00	"	16.0		118	50-150				
Perfluorododecanoic acid (PFDoA)	17.4	4.00	"	16.0		109	50-150				
Perfluorotridecanoic acid (PFTrDA)	21.2	4.00	"	16.0		133	50-150				
Perfluorotetradecanoic acid (PFTA)	15.0	4.00	"	16.0		93.8	50-150				
N-MeFOSAA	17.9	4.00	"	16.0		112	50-150				
N-EtFOSAA	15.2	4.00	"	16.0		95.1	50-150				
Perfluoropentanoic acid (PFPeA)	31.4	8.00	"	32.0		98.2	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	17.0	4.00	"	16.0		106	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	15.5	3.82	"	15.3		102	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	16.4	3.86	"	15.4		106	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	73.3	15.2	"	60.8		121	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	61.5	15.4	"	61.4		100	50-150				
Perfluoro-n-butanoic acid (PFBA)	48.2	16.0	"	64.0		75.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	27.2	7.12	"	28.5		95.6	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	20.4	8.00	"	32.0		63.6	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	4.39	8.00	"	32.0		13.7	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	51.3	8.00	"	32.0		160	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	14.3	3.76	"	15.0		95.0	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	76.6	15.0	"	60.0		128	50-150				
HFPO-DA (Gen-X)	34.3	16.0	"	32.0		107	50-150				
11CL-PF3OUdS	28.8	15.1	"	30.2		95.3	50-150				
9CL-PF3ONS	32.7	15.0	"	29.9		109	50-150				
ADONA	36.7	15.1	"	30.2		121	50-150				
Perfluorododecanesulfonic acid (PFDoS)	11.5	3.88	"	15.5		73.8	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	12.7	3.84	"	15.4		83.0	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	49.1	10.0	"	64.0		76.7	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	446	50.0	"	320		139	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	538	50.0	"	320		168	50-150	High Bias			
N-MeFOSE	152	40.0	"	160		95.0	50-150				
N-MeFOSA	18.7	4.00	"	16.0		117	50-150				
N-EtFOSE	145	40.0	"	160		90.5	50-150				
N-EtFOSA	22.0	4.00	"	16.0		138	50-150				
Surrogate: M3PFBS	*32.3*		"	*46.6*		*69.3*	*25-150*				
Surrogate: M5PFHxA	*32.8*		"	*50.0*		*65.6*	*25-150*				
Surrogate: M4PFHpA	*56.1*		"	*50.0*		*112*	*25-150*				
Surrogate: M3PFHxS	*40.5*		"	*47.4*		*85.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*35.8*		"	*50.0*		*71.6*	*25-150*				
Surrogate: M6PFDA	*18.6*		"	*25.0*		*74.6*	*25-150*				
Surrogate: M7PFUdA	*19.8*		"	*25.0*		*79.1*	*25-150*				

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

Batch BE40139 - EPA 1633 Prep

LCS (BE40139-BS2) Prepared: 05/02/2024 Analyzed: 05/03/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*17.0*		*ng/L*	*25.0*		*68.1*	*25-150*				
Surrogate: M2PFTeDA	*8.17*		"	*25.0*		*32.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*2.67*		"	*200*		*1.34*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*36.7*		"	*47.9*		*76.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*26.3*		"	*100*		*26.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*41.7*		"	*50.0*		*83.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*74.1*		"	*100*		*74.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*70.9*		"	*100*		*71.0*	*25-150*				
Surrogate: M2-6:2 FTS	*156*		"	*95.1*		*164*	*25-200*				
Surrogate: M2-8:2 FTS	*108*		"	*96.0*		*112*	*25-200*				
Surrogate: M9PFNA	*18.1*		"	*25.0*		*72.3*	*25-150*				
Surrogate: M2-4:2 FTS	*131*		"	*93.8*		*139*	*25-150*				
Surrogate: d-N-MeFOSA	*26.3*		"	*50.0*		*52.6*	*25-150*				
Surrogate: d-N-EtFOSA	*23.2*		"	*50.0*		*46.3*	*25-150*				
Surrogate: M3HFPO-DA	*144*		"	*200*		*71.9*	*25-150*				
Surrogate: d9-N-EtFOSE	*238*		"	*500*		*47.6*	*25-150*				
Surrogate: d7-N-MeFOSE	*234*		"	*500*		*46.9*	*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 BE40048 - Preparation for GC Analysis											
Blank (BE40048-BLK1)							Prepared & Analyzed: 05/01/2024				
Ethylene Glycol	ND	10.0	mg/L								
Propylene Glycol	ND	10.0	"								
Surrogate: 1,4-Butanediol	*ND*		"				*30-130*				
Duplicate (BE40048-DUP1)	*Source sample: 24D1634-01 (Hunger E MW-1)						Prepared & Analyzed: 05/01/2024				
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
24D1634-01	Hanger E MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1634-03	MW-7S	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1634-04	XDDR MW-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1634-07	Field Duplicate	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1634-08	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1634-09	Field 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-CCV-L	The CCV recovery for this PFAS compound was below 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.
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.

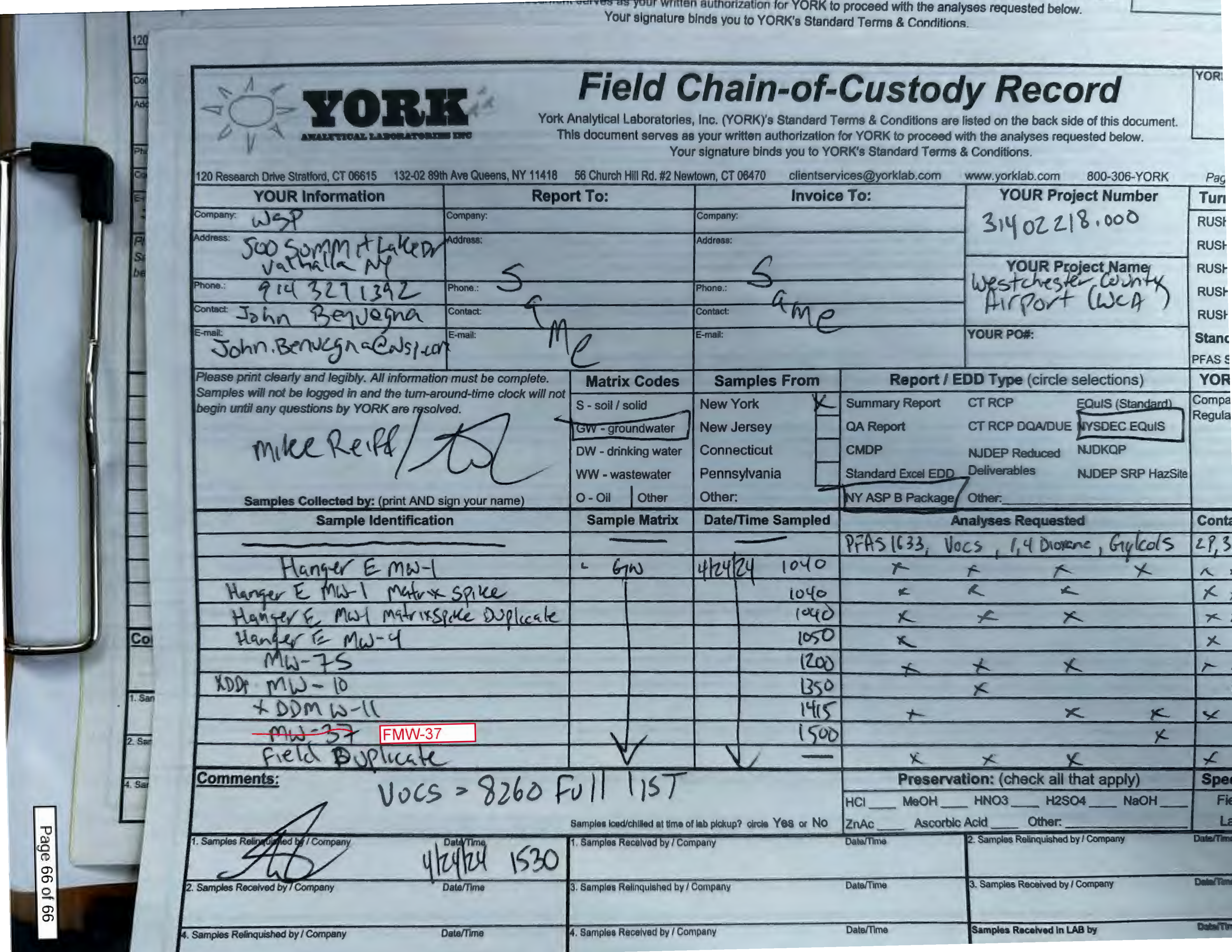
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

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.

Revision Description: This report has been revised to include PFAS results.



...serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This 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 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK

YOUR Information	Report To:	Invoice To:	YOUR Project Number
Company: WSP	Company:	Company:	31402218.000
Address: 500 Summit Lake Dr Valhalla NY	Address:	Address:	**YOUR Project Name** Westchester County Airport (WCA)
Phone.: 914 327 1392	Phone.: Same	Phone.: Same	
Contact: John Benvegna	Contact:	Contact:	
E-mail: John.Benvegna@wsp.com	E-mail:	E-mail:	**YOUR PO#:**

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Mike Reiff /

Samples Collected by: (print AND sign your name)

Matrix Codes
- S - soil / solid
- [✓ GW - groundwater]
- DW - drinking water
- WW - wastewater
- O - Oil | Other

Samples From
- New York ☒
- New Jersey ☐
- Connecticut ☐
- Pennsylvania ☐
- Other:

Report / EDD Type (circle selections)

Summary Report	CT RCP	EQuIS (Standard)
QA Report	CT RCP DQA/DUE	[✓ NYSDEC EQuIS]
CMDP	NJDEP Reduced Deliverables	NJDKQP
Standard Excel EDD		NJDEP SRP HazSite
[✓ NY ASP B Package]	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	PFAS 1633	VOCs	1,4 Dioxane	Gylcols	Conta
Hanger E MW-1	GW	4/24/24 1040	X	X	X	X	X
Hanger E MW-1 Matrix Spike	↓	↓ 1040	X	X	X		X
Hanger E MW1 matrixspike Duplicate		1040	X	X	X		X
Hanger E MW-4		1050	X				X
MW-7S		1200	X	X	X		X
XDDA MW-10		1350		X			
XDDMW-11		1415	X		X	X	X
~~MW-37~~ FMW-37		1500				X	
Field Duplicate		—	X	X	X		X

Analyses Requested header continued in container column: 2P,3

Comments: VOCs = 8260 Full list

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other:

1. Samples Relinquished by / Company	Date/Time 4/24/24 1530	1. Samples Received by / Company	Date/Time
2. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time
3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time
Samples Received in LAB by	Date/Time		

Technical Report

prepared for:

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

Report Date: 05/10/2024
Client Project ID: 31402218.000 - Westchester County Airport (WCA)
York Project (SDG) No.: 24D1733

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

Report Date: 05/10/2024
Client Project ID: 31402218.000 - Westchester County Airport (WCA)
York Project (SDG) No.: 24D1733

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 April 26, 2024 and listed below. The project was identified as your project: **31402218.000 - Westchester County Airport (WCA)**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24D1733-01	**MW-58D**	**Ground Water**	**04/25/2024**	**04/26/2024**
24D1733-02	**FMW-39**	**Ground Water**	**04/25/2024**	**04/26/2024**
24D1733-03	**FMW-26**	**Ground Water**	**04/25/2024**	**04/26/2024**
24D1733-04	**DPW MW-3**	**Ground Water**	**04/25/2024**	**04/26/2024**
24D1733-05	**Field Blank**	**Ground Water**	**04/25/2024**	**04/26/2024**
24D1733-06	**Trip Blank**	**Water**	**04/25/2024**	**04/26/2024**

General Notes for York Project (SDG) No.: 24D1733

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: **Date:** 05/10/2024

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: MW-58D

York Sample ID: 24D1733-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 10:30 am	04/26/2024

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)**	**81.7**		ng/L	0.535	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**1420**		ng/L	34.9	200	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/08/2024 16:22	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**536**	PF-CCV-L	ng/L	0.808	2.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**319**		ng/L	0.774	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**322**		ng/L	0.478	2.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**244**		ng/L	0.933	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**67.4**		ng/L	0.592	2.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
335-76-2	**Perfluorodecanoic acid (PFDA)**	**84.7**		ng/L	0.853	2.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**20.2**		ng/L	1.29	2.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
307-55-1	**Perfluorododecanoic acid (PFDoA)**	**4.63**		ng/L	1.00	2.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
72629-94-8	**Perfluorotridecanoic acid (PFTrDA)**	**3.56**		ng/L	0.842	2.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
376-06-7	*** Perfluorotetradecanoic acid (PFTA)**	**2.88**		ng/L	0.785	2.28	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.899	2.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.17	2.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**3890**		ng/L	23.0	399	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/08/2024 16:22	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.00	2.28	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**10.5**		ng/L	1.04	2.17	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.50	2.20	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**5350**		ng/L	106	758	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/08/2024 16:22	ER
39108-34-4	**1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**248**		ng/L	2.33	8.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**706**		ng/L	0.375	9.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER

Sample Information

Client Sample ID: **MW-58D** | **York Sample ID:** **24D1733-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 10:30 am	04/26/2024

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 (PFEESA)	ND		ng/L	0.569	4.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:02	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.43	4.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:02	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS-L	ng/L	0.284	4.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:02	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.421	4.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:02	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**79.9**		ng/L	0.865	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
757124-72-4	**1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)**	**12.3**		ng/L	2.04	8.53	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.68	9.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.57	8.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.796	8.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
919005-14-4	ADONA	ND		ng/L	0.603	8.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.06	2.21	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:02	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.979	2.18	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:02	ER
356-02-5	*** 3-Perfluoropropyl propanoic acid (FPrPA)**	**10.9**		ng/L	2.31	5.69	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:02	ER
914637-49-3	*** 3-Perfluoropentyl propanoic acid (FPePA)**	**86.1**		ng/L	8.34	28.4	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:02	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.8	28.4	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:02	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.54	22.8	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:02	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.80	2.28	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:02	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.54	22.8	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:02	ER
4151-50-2	* N-EtFOSA	ND		ng/L	2.05	2.28	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:02	ER

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*84.5 %*	*25-150*
Surrogate: M3PFBS	*87.9 %*	*25-150*
Surrogate: M5PFHxA	*83.7 %*	*25-150*
Surrogate: M5PFHxA	*96.1 %*	*25-150*
Surrogate: M4PFHpA	*116 %*	*25-150*

Sample Information

Client Sample ID: **MW-58D** **York Sample ID:** **24D1733-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 10:30 am	04/26/2024

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: M4PFHpA	*149 %*			*25-150*						
	Surrogate: M3PFHxS	*94.8 %*			*25-150*						
	Surrogate: M3PFHxS	*89.4 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*92.8 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*74.4 %*			*25-150*						
	Surrogate: M6PFDA	*109 %*			*25-150*						
	Surrogate: M6PFDA	*88.2 %*			*25-150*						
	Surrogate: M7PFUdA	*78.3 %*			*25-150*						
	Surrogate: M7PFUdA	*72.6 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*45.2 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*55.1 %*			*25-150*						
	Surrogate: M2PFTeDA	*42.2 %*			*10-150*						
	Surrogate: M2PFTeDA	*28.9 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.42 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.34 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*93.9 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*97.9 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*62.3 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*29.5 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*70.6 %*			*10-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*96.3 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*60.9 %*			*25-150*						
	Surrogate: d3-N-MeFOSAA	*71.4 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*51.7 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*62.9 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*184 %*			*25-200*						
	Surrogate: M2-6:2 FTS	*906 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*87.5 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*124 %*			*25-200*						
	Surrogate: M9PFNA	*89.5 %*			*25-150*						
	Surrogate: M9PFNA	*96.7 %*			*25-150*						

Sample Information

Client Sample ID: MW-58D

York Sample ID: 24D1733-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 10:30 am	04/26/2024

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: M2-4:2 FTS	*168 %*	PFSu-H		*25-150*						
	Surrogate: M2-4:2 FTS	*461 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*50.4 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*73.4 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*35.9 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*61.8 %*			*25-150*						
	Surrogate: M3HFPO-DA	*91.7 %*			*25-150*						
	Surrogate: M3HFPO-DA	*135 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*31.9 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*28.6 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*44.4 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*36.7 %*			*25-150*						

Sample Information

Client Sample ID: FMW-39

York Sample ID: 24D1733-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 11:15 am	04/26/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
75-35-4	**1,1-Dichloroethylene**	**0.41**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/06/2024 08:00	05/06/2024 12:54	SCB
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, ICVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/06/2024 08:00	05/06/2024 12:54	SCB

Sample Information

Client Sample ID: **FMW-39** **York Sample ID:** **24D1733-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 11:15 am	04/26/2024

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
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/06/2024 08:00	05/06/2024 12:54	SCB
120-82-1	1,2,4-Trichlorobenzene	ND	ICVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/06/2024 08:00	05/06/2024 12:54	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/06/2024 08:00	05/06/2024 12:54	SCB
78-93-3	2-Butanone	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
67-64-1	**Acetone**	**3.4**	CCVE, ICVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/06/2024 08:00	05/06/2024 12:54	SCB
107-02-8	Acrolein	ND	CCVE, ICVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
107-13-1	Acrylonitrile	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/06/2024 08:00	05/06/2024 12:54	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB

Sample Information

Client Sample ID: **FMW-39** **York Sample ID:** **24D1733-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 11:15 am	04/26/2024

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
75-15-0	**Carbon disulfide**	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-20-9	Methyl acetate	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D	05/06/2024 08:00	05/06/2024 12:54	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		

Sample Information

Client Sample ID: **FMW-39** **York Sample ID:** **24D1733-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 11:15 am	04/26/2024

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
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/06/2024 08:00	05/06/2024 12:54	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
127-18-4	Tetrachloroethylene	ND	CAL-E, CCVE, ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
108-88-3	**Toluene**	**590**		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/06/2024 08:00	05/06/2024 13:48	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/06/2024 08:00	05/06/2024 12:54	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.6 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.3 %*	*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)**	**0.828**	J	ng/L	0.484	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**8.11**		ng/L	0.360	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER

Sample Information

Client Sample ID: **FMW-39** **York Sample ID:** **24D1733-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 11:15 am	04/26/2024

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)**	**11.4**	PF-CCV-L	ng/L	0.730	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**6.27**		ng/L	0.700	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**14.7**		ng/L	0.432	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**12.7**		ng/L	0.844	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**5.05**		ng/L	0.535	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
335-76-2	**Perfluorodecanoic acid (PFDA)**	**1.51**	J	ng/L	0.772	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.16	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.905	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.761	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.710	2.06	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.813	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.06	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**9.77**		ng/L	0.237	4.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.905	2.06	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.936	1.97	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.36	1.99	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**5.71**	J	ng/L	1.09	7.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.11	7.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.340	8.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.514	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:18	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.20	4.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:18	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS-L	ng/L	0.257	4.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:18	ER

Sample Information

Client Sample ID: **FMW-39** **York Sample ID:** **24D1733-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 11:15 am	04/26/2024

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	0.381	4.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:18	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.782	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.84	7.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.32	8.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.42	7.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.720	7.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
919005-14-4	ADONA	ND		ng/L	0.545	7.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.957	2.00	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:18	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.885	1.98	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:18	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.09	5.14	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:18	ER
914637-49-3	*** 3-Perfluoropentyl propanoic acid (FPePA)**	**7.72**	J	ng/L	7.54	25.7	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:18	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.74	25.7	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:18	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.10	20.6	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:18	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.63	2.06	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:18	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.10	20.6	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:18	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.85	2.06	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:18	ER

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*97.8 %*	*25-150*
Surrogate: M5PFHxA	*105 %*	*25-150*
Surrogate: M4PFHpA	*145 %*	*25-150*
Surrogate: M3PFHxS	*103 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*86.7 %*	*25-150*
Surrogate: M6PFDA	*76.6 %*	*25-150*
Surrogate: M7PFUdA	*84.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*49.6 %*	*25-150*
Surrogate: M2PFTeDA	*23.5 %*	*10-150*

Sample Information

Client Sample ID: **FMW-39**

York Sample ID: **24D1733-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 11:15 am	04/26/2024

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: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*14.5 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*105 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*91.0 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*89.2 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*76.4 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*64.4 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*310 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*119 %*			*25-200*						
	Surrogate: M9PFNA	*89.2 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*419 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*62.2 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*57.1 %*			*25-150*						
	Surrogate: M3HFPO-DA	*102 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*31.7 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*44.2 %*			*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:	05/01/2024 09:30	05/01/2024 11:59	GXB
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	05/01/2024 09:30	05/01/2024 11:59	GXB
	Surrogate Recoveries	**Result**		**Acceptance Range**						
110-63-4	*Surrogate: 1,4-Butanediol*			*30-130*						

Sample Information

Client Sample ID: **FMW-26**

York Sample ID: **24D1733-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:00 pm	04/26/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **FMW-26**

York Sample ID: **24D1733-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:00 pm	04/26/2024

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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 01:22	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 01:22	SCB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 01:22	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
123-91-1	**1,4-Dioxane**	**46**	CAL-E, CCVE, ICVE, B	ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0	05/02/2024 09:00	05/03/2024 01:22	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB

Sample Information

Client Sample ID: **FMW-26** **York Sample ID:** **24D1733-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:00 pm	04/26/2024

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
67-64-1	Acetone	ND	ICVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
107-13-1	Acrylonitrile	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 01:22	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
74-83-9	**Bromomethane**	**0.28**	J, B	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 09:00	05/03/2024 01:22	SCB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
74-87-3	Chloromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 01:22	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 01:22	SCB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 01:22	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 01:22	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB

Sample Information

Client Sample ID: **FMW-26** **York Sample ID:** **24D1733-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:00 pm	04/26/2024

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
79-20-9	Methyl acetate	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 01:22	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 01:22	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/02/2024 09:00	05/03/2024 01:22	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/02/2024 09:00	05/03/2024 01:22	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 01:22	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 01:22	SCB

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **FMW-26** **York Sample ID:** **24D1733-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:00 pm	04/26/2024

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
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*117 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*114 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*			*79-122*						

Sample Information

Client Sample ID: **DPW MW-3** **York Sample ID:** **24D1733-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:35 pm	04/26/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 02:20	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 02:20	SCB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 02:20	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB

Sample Information

Client Sample ID: DPW MW-3 **York Sample ID:** 24D1733-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:35 pm	04/26/2024

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
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
123-91-1	**1,4-Dioxane**	**58**	CAL-E, CCVE, ICVE, B	ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0	05/02/2024 09:00	05/03/2024 02:20	SCB
78-93-3	**2-Butanone**	**1.0**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 09:00	05/03/2024 02:20	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
108-10-1	**4-Methyl-2-pentanone**	**1.2**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 09:00	05/03/2024 02:20	SCB
67-64-1	**Acetone**	**4.4**	ICVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 09:00	05/03/2024 02:20	SCB
107-02-8	**Acrolein**	**1.6**	B	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 09:00	05/03/2024 02:20	SCB
107-13-1	Acrylonitrile	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 02:20	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
67-66-3	**Chloroform**	**2.3**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 09:00	05/03/2024 02:20	SCB

Sample Information

Client Sample ID: DPW MW-3

York Sample ID: 24D1733-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:35 pm	04/26/2024

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
74-87-3	Chloromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 02:20	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 02:20	SCB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 02:20	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 02:20	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
79-20-9	Methyl acetate	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 02:20	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 02:20	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/02/2024 09:00	05/03/2024 02:20	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/02/2024 09:00	05/03/2024 02:20	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/03/2024 02:20	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB

Sample Information

Client Sample ID: **DPW MW-3** **York Sample ID:** **24D1733-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:35 pm	04/26/2024

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
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/03/2024 02:20	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*113 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*114 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*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)**	**1.02**	J	ng/L	0.482	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**2.61**		ng/L	0.359	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**1.80**	PF-CCV-L, J	ng/L	0.729	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.698	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.431	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**3.64**		ng/L	0.842	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**1.25**	J	ng/L	0.534	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER

Sample Information

Client Sample ID: **DPW MW-3**

York Sample ID: **24D1733-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:35 pm	04/26/2024

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	0.770	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.16	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.903	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.759	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.708	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.811	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.06	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**2.62**	J	ng/L	0.236	4.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.903	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.934	1.96	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.35	1.98	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**1.84**	J	ng/L	1.09	7.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.10	7.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.339	8.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.513	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:34	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.20	4.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:34	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS-L	ng/L	0.257	4.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:34	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.380	4.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:34	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.780	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.84	7.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.31	8.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.42	7.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.718	7.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER

Sample Information

Client Sample ID: **DPW MW-3** **York Sample ID:** **24D1733-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:35 pm	04/26/2024

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	0.544	7.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.954	1.99	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:34	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.883	1.97	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:34	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.08	5.13	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:34	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.52	25.7	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:34	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.72	25.7	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:34	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.09	20.5	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:34	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.62	2.05	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:34	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.09	20.5	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:34	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.85	2.05	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:34	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*74.4 %*		*25-150*
Surrogate: M5PFHxA	*79.3 %*		*25-150*
Surrogate: M4PFHpA	*104 %*		*25-150*
Surrogate: M3PFHxS	*78.6 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*71.1 %*		*25-150*
Surrogate: M6PFDA	*65.6 %*		*25-150*
Surrogate: M7PFUdA	*59.6 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*37.0 %*		*25-150*
Surrogate: M2PFTeDA	*18.3 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*48.0 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*81.6 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*82.4 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*64.3 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*61.1 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*55.7 %*		*25-150*
Surrogate: M2-6:2 FTS	*302 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*98.2 %*		*25-200*

Sample Information

Client Sample ID: **DPW MW-3** **York Sample ID:** **24D1733-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:35 pm	04/26/2024

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: M9PFNA	*69.5 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*384 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*26.1 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*22.7 %*	PFSu-L		*25-150*						
	Surrogate: M3HFPO-DA	*71.9 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*17.6 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*22.9 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1733-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:45 pm	04/26/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/04/2024 08:00	05/04/2024 13:26	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/04/2024 08:00	05/04/2024 13:26	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/04/2024 08:00	05/04/2024 13:26	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D	05/04/2024 08:00	05/04/2024 13:26	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/04/2024 08:00	05/04/2024 13:26	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/04/2024 08:00	05/04/2024 13:26	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/04/2024 08:00	05/04/2024 13:26	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/04/2024 08:00	05/04/2024 13:26	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/04/2024 08:00	05/04/2024 13:26	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/04/2024 08:00	05/04/2024 13:26	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/04/2024 08:00	05/04/2024 13:26	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1733-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:45 pm	04/26/2024

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
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
123-91-1	1,4-Dioxane	ND	CAL-E	ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 13:26	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
67-64-1	Acetone	ND	ICVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
107-02-8	Acrolein	ND	ICVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
107-13-1	Acrylonitrile	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 13:26	SCB
75-27-4	**Bromodichloromethane**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1733-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:45 pm	04/26/2024

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
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
67-66-3	**Chloroform**	**2.4**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
74-87-3	Chloromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 13:26	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 13:26	SCB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 13:26	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 13:26	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
79-20-9	Methyl acetate	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 13:26	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 13:26	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/04/2024 08:00	05/04/2024 13:26	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/04/2024 08:00	05/04/2024 13:26	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 13:26	SCB

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1733-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:45 pm	04/26/2024

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
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 13:26	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 13:26	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*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	0.445	1.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.331	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CC V-L	ng/L	0.672	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.644	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.398	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.777	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1733-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:45 pm	04/26/2024

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
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.492	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.710	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.07	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.833	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.701	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.653	1.89	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.748	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
2991-50-6	N-EtFOSAA	ND		ng/L	0.976	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.218	3.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.833	1.89	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.862	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.25	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.00	7.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.94	7.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.313	7.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.474	3.37	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:50	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.03	3.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:50	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS-L	ng/L	0.237	3.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:50	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.350	3.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/05/2024 11:03	05/06/2024 13:50	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.720	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.70	7.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.06	7.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.31	7.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER

Sample Information

Client Sample ID:	**Field Blank**			**York Sample ID:**	**24D1733-05**
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:45 pm	04/26/2024	

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
756426-58-1	9CL-PF3ONS	ND		ng/L	0.663	7.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
919005-14-4	ADONA	ND		ng/L	0.502	7.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.881	1.84	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:50	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.815	1.82	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/05/2024 11:03	05/06/2024 13:50	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.92	4.74	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:50	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.94	23.7	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:50	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.97	23.7	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:50	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.78	18.9	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:50	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.50	1.89	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:50	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.78	18.9	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:50	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.70	1.89	1	EPA 1633 Draft 3 Certifications:	05/05/2024 11:03	05/06/2024 13:50	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*75.6 %*		*25-150*
Surrogate: M5PFHxA	*74.3 %*		*25-150*
Surrogate: M4PFHpA	*156 %*	PFSu-H	*25-150*
Surrogate: M3PFHxS	*112 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*95.4 %*		*25-150*
Surrogate: M6PFDA	*96.1 %*		*25-150*
Surrogate: M7PFUdA	*101 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*71.0 %*		*25-150*
Surrogate: M2PFTeDA	*81.1 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.03 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*103 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*18.3 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*105 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*94.2 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*85.2 %*		*25-150*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1733-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 25, 2024 12:45 pm	04/26/2024

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: M2-6:2 FTS	*216 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*133 %*			*25-200*						
	Surrogate: M9PFNA	*92.9 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*185 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*107 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*91.5 %*			*25-150*						
	Surrogate: M3HFPO-DA	*86.2 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*71.2 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*79.6 %*			*25-150*						

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **24D1733-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Water	April 25, 2024 3:00 pm	04/26/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/02/2024 19:03	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/02/2024 19:03	SCB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/02/2024 19:03	SCB

Sample Information

Client Sample ID: **Trip Blank**

York Sample ID: **24D1733-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Water	April 25, 2024 3:00 pm	04/26/2024

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
123-91-1	**1,4-Dioxane**	**66**	CAL-E, CCVE, ICVE, B	ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0	05/02/2024 09:00	05/02/2024 19:03	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
67-64-1	Acetone	ND	ICVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
107-02-8	**Acrolein**	**0.28**	J, B	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 09:00	05/02/2024 19:03	SCB
107-13-1	Acrylonitrile	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/02/2024 19:03	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **24D1733-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Water	April 25, 2024 3:00 pm	04/26/2024

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
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
74-87-3	Chloromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/02/2024 19:03	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/02/2024 19:03	SCB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/02/2024 19:03	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/02/2024 19:03	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
79-20-9	Methyl acetate	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/02/2024 19:03	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/02/2024 19:03	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/02/2024 09:00	05/02/2024 19:03	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/02/2024 09:00	05/02/2024 19:03	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB

Sample Information

Client Sample ID: **Trip Blank**

York Sample ID: **24D1733-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1733	31402218.000 - Westchester County Airport (WCA)	Water	April 25, 2024 3:00 pm	04/26/2024

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
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 09:00	05/02/2024 19:03	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 09:00	05/02/2024 19:03	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*115 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*116 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*79-122*

Analytical Batch Summary

Batch ID: BE40048 **Preparation Method:** Preparation for GC Analysis **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
24D1733-02	FMW-39	05/01/24
BE40048-BLK1	Blank	05/01/24
BE40048-DUP1	Duplicate	05/01/24

Batch ID: BE40118 **Preparation Method:** EPA 5030B **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
24D1733-03	FMW-26	05/02/24
24D1733-04	DPW MW-3	05/02/24
24D1733-06	Trip Blank	05/02/24
BE40118-BLK1	Blank	05/02/24
BE40118-BS1	LCS	05/02/24

Batch ID: BE40221 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24D1733-02	FMW-39	05/06/24
24D1733-02RE1	FMW-39	05/06/24
BE40221-BLK1	Blank	05/06/24
BE40221-BS1	LCS	05/06/24
BE40221-BSD1	LCS Dup	05/06/24

Batch ID: BE40294 **Preparation Method:** EPA 5030B **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
24D1733-05	Field Blank	05/04/24
BE40294-BLK1	Blank	05/04/24
BE40294-BS1	LCS	05/04/24
BE40294-BSD1	LCS Dup	05/04/24

Batch ID: BE40306 **Preparation Method:** EPA 1633 Prep **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
24D1733-01	MW-58D	05/05/24
24D1733-02	FMW-39	05/05/24
24D1733-04	DPW MW-3	05/05/24
24D1733-05	Field Blank	05/05/24
BE40306-BLK1	Blank	05/05/24
BE40306-BS1	LCS	05/05/24
BE40306-BS2	LCS	05/05/24
BE40306-DUP1	Duplicate	05/05/24

Batch ID: BE40363 **Preparation Method:** EPA 1633 Prep **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
24D1733-01RE1	MW-58D	05/05/24
BE40363-BLK1	Blank	05/06/24
BE40363-BLK2	Blank	05/06/24
BE40363-BS1	LCS	05/06/24
BE40363-BS2	LCS	05/06/24

Batch ID: BE40468 **Preparation Method:** EPA 1633 Prep **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
24D1733-01RE2	MW-58D	05/05/24
BE40468-BLK1	Blank	05/07/24
BE40468-BS1	LCS	05/07/24
BE40468-BS2	LCS	05/07/24
BE40468-DUP1	Duplicate	05/07/24

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BE40118 - EPA 5030B

Blank (BE40118-BLK1) Prepared & Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	63	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	0.41	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	0.46	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Batch BE40118 - EPA 5030B

Blank (BE40118-BLK1) Prepared & Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.7*		*"*	*10.0*		*117*	*69-130*				
Surrogate: SURR: Toluene-d8	*11.1*		*"*	*10.0*		*111*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				

LCS (BE40118-BS1) Prepared & Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		112	82-126				
1,1,1-Trichloroethane	9.7		"	10.0		97.3	78-136				
1,1,2,2-Tetrachloroethane	13		"	10.0		130	76-129	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		116	54-165				
1,1,2-Trichloroethane	10		"	10.0		103	82-123				
1,1-Dichloroethane	8.3		"	10.0		83.4	82-129				
1,1-Dichloroethylene	9.2		"	10.0		92.4	68-138				
1,2,3-Trichlorobenzene	9.9		"	10.0		99.4	40-130				
1,2,3-Trichloropropane	11		"	10.0		110	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		105	65-137				
1,2,4-Trimethylbenzene	11		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	11		"	10.0		112	45-147				
1,2-Dibromoethane	11		"	10.0		109	83-124				
1,2-Dichlorobenzene	12		"	10.0		118	79-123				
1,2-Dichloroethane	9.3		"	10.0		93.3	73-132				
1,2-Dichloropropane	9.8		"	10.0		98.3	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		110	80-131				
1,3-Dichlorobenzene	11		"	10.0		114	86-130				
1,4-Dichlorobenzene	11		"	10.0		114	85-130				
1,4-Dioxane	390		"	210		185	10-349				
2-Butanone	7.6		"	10.0		76.4	49-152				
2-Hexanone	8.6		"	10.0		86.2	51-146				
4-Methyl-2-pentanone	9.3		"	10.0		92.6	57-145				
Acetone	5.3		"	10.0		52.6	14-150				
Acrolein	8.9		"	10.0		88.7	10-153				
Acrylonitrile	7.2		"	10.0		72.5	51-150				

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 BE40118 - EPA 5030B											
LCS (BE40118-BS1)							Prepared & Analyzed: 05/02/2024				
Benzene	8.8		ug/L	10.0		88.3	85-126				
Bromochloromethane	8.1		"	10.0		80.6	77-128				
Bromodichloromethane	11		"	10.0		107	79-128				
Bromoform	11		"	10.0		108	78-133				
Bromomethane	25		"	10.0		246	43-168	High Bias			
Carbon disulfide	9.4		"	10.0		93.8	68-146				
Carbon tetrachloride	11		"	10.0		113	77-141				
Chlorobenzene	11		"	10.0		111	88-120				
Chloroethane	9.6		"	10.0		95.8	65-136				
Chloroform	8.9		"	10.0		88.9	82-128				
Chloromethane	7.7		"	10.0		76.9	43-155				
cis-1,2-Dichloroethylene	8.5		"	10.0		84.9	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131				
Cyclohexane	9.7		"	10.0		97.2	63-149				
Dibromochloromethane	11		"	10.0		114	80-130				
Dibromomethane	11		"	10.0		109	72-134				
Dichlorodifluoromethane	12		"	10.0		119	44-144				
Ethyl Benzene	11		"	10.0		106	80-131				
Hexachlorobutadiene	16		"	10.0		158	67-146	High Bias			
Isopropylbenzene	11		"	10.0		114	76-140				
Methyl acetate	7.7		"	10.0		77.0	51-139				
Methyl tert-butyl ether (MTBE)	8.8		"	10.0		87.5	76-135				
Methylcyclohexane	12		"	10.0		121	72-143				
Methylene chloride	9.4		"	10.0		93.6	55-137				
n-Butylbenzene	12		"	10.0		120	79-132				
n-Propylbenzene	11		"	10.0		111	78-133				
o-Xylene	11		"	10.0		106	78-130				
p- & m- Xylenes	21		"	20.0		107	77-133				
p-Isopropyltoluene	12		"	10.0		116	81-136				
sec-Butylbenzene	11		"	10.0		114	79-137				
Styrene	11		"	10.0		107	67-132				
tert-Butyl alcohol (TBA)	39		"	50.0		78.7	25-162				
tert-Butylbenzene	11		"	10.0		113	77-138				
Tetrachloroethylene	4.5		"	10.0		45.1	82-131	Low Bias			
Toluene	11		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	8.5		"	10.0		85.3	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		106	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		111	63-141				
Trichloroethylene	9.6		"	10.0		95.8	82-128				
Trichlorofluoromethane	11		"	10.0		113	67-139				
Vinyl Chloride	10		"	10.0		101	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.1*		"	*10.0*		*111*	*69-130*				
Surrogate: SURR: Toluene-d8	*11.1*		"	*10.0*		*111*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.86*		"	*10.0*		*98.6*	*79-122*				

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

Batch BE40221 - EPA 5030B

Blank (BE40221-BLK1) Prepared & Analyzed: 05/06/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40221 - EPA 5030B											
Blank (BE40221-BLK1)								Prepared & Analyzed: 05/06/2024			
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.74*		*"*	*10.0*		*97.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.99*		*"*	*10.0*		*99.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.78*		*"*	*10.0*		*97.8*	*79-122*				
LCS (BE40221-BS1)								Prepared & Analyzed: 05/06/2024			
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		95.0	82-126				
1,1,1-Trichloroethane	11		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	9.2		"	10.0		91.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		124	54-165				
1,1,2-Trichloroethane	8.9		"	10.0		88.8	82-123				
1,1-Dichloroethane	9.7		"	10.0		97.4	82-129				
1,1-Dichloroethylene	12		"	10.0		117	68-138				
1,2,3-Trichlorobenzene	9.0		"	10.0		89.8	40-130				
1,2,3-Trichloropropane	8.6		"	10.0		86.0	77-128				
1,2,4-Trichlorobenzene	9.2		"	10.0		92.0	65-137				
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	7.6		"	10.0		76.3	45-147				
1,2-Dibromoethane	9.0		"	10.0		90.2	83-124				
1,2-Dichlorobenzene	9.8		"	10.0		98.2	79-123				
1,2-Dichloroethane	9.2		"	10.0		92.4	73-132				
1,2-Dichloropropane	9.6		"	10.0		95.6	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		101	80-131				
1,3-Dichlorobenzene	9.9		"	10.0		98.7	86-130				
1,4-Dichlorobenzene	9.7		"	10.0		97.2	85-130				
1,4-Dioxane	160		"	210		76.7	10-349				
2-Butanone	3.4		"	10.0		33.6	49-152	Low Bias			
2-Hexanone	6.9		"	10.0		69.2	51-146				
4-Methyl-2-pentanone	7.8		"	10.0		77.8	57-145				
Acetone	3.8		"	10.0		38.1	14-150				
Acrolein	7.4		"	10.0		74.5	10-153				
Acrylonitrile	3.3		"	10.0		33.3	51-150	Low Bias			
Benzene	10		"	10.0		100	85-126				

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 BE40221 - EPA 5030B											
LCS (BE40221-BS1)							Prepared & Analyzed: 05/06/2024				
Bromochloromethane	9.3		ug/L	10.0		92.7	77-128				
Bromodichloromethane	9.3		"	10.0		92.6	79-128				
Bromoform	9.4		"	10.0		93.6	78-133				
Bromomethane	7.9		"	10.0		79.3	43-168				
Carbon disulfide	12		"	10.0		118	68-146				
Carbon tetrachloride	12		"	10.0		116	77-141				
Chlorobenzene	10		"	10.0		103	88-120				
Chloroethane	11		"	10.0		105	65-136				
Chloroform	9.8		"	10.0		97.6	82-128				
Chloromethane	10		"	10.0		102	43-155				
cis-1,2-Dichloroethylene	9.7		"	10.0		97.0	83-129				
cis-1,3-Dichloropropylene	9.1		"	10.0		90.6	80-131				
Cyclohexane	12		"	10.0		119	63-149				
Dibromochloromethane	9.2		"	10.0		91.6	80-130				
Dibromomethane	9.0		"	10.0		90.4	72-134				
Dichlorodifluoromethane	15		"	10.0		146	44-144	High Bias			
Ethyl Benzene	10		"	10.0		103	80-131				
Hexachlorobutadiene	11		"	10.0		107	67-146				
Isopropylbenzene	11		"	10.0		109	76-140				
Methyl acetate	8.2		"	10.0		82.0	51-139				
Methyl tert-butyl ether (MTBE)	8.5		"	10.0		84.8	76-135				
Methylcyclohexane	12		"	10.0		117	72-143				
Methylene chloride	9.0		"	10.0		90.5	55-137				
n-Butylbenzene	11		"	10.0		108	79-132				
n-Propylbenzene	11		"	10.0		108	78-133				
o-Xylene	10		"	10.0		100	78-130				
p- & m- Xylenes	21		"	20.0		107	77-133				
p-Isopropyltoluene	11		"	10.0		109	81-136				
sec-Butylbenzene	11		"	10.0		112	79-137				
Styrene	9.8		"	10.0		97.9	67-132				
tert-Butyl alcohol (TBA)	32		"	50.0		63.4	25-162				
tert-Butylbenzene	11		"	10.0		109	77-138				
Tetrachloroethylene	6.2		"	10.0		61.5	82-131	Low Bias			
Toluene	10		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	8.8		"	10.0		88.0	78-131				
trans-1,4-dichloro-2-butene	8.6		"	10.0		86.0	63-141				
Trichloroethylene	10		"	10.0		99.5	82-128				
Trichlorofluoromethane	12		"	10.0		124	67-139				
Vinyl Chloride	11		"	10.0		114	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.15*		"	*10.0*		*91.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		"	*10.0*		*101*	*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 BE40221 - EPA 5030B											
LCS Dup (BE40221-BSD1)							Prepared & Analyzed: 05/06/2024				
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		99.7	82-126		4.83	30	
1,1,1-Trichloroethane	11		"	10.0		114	78-136		5.15	30	
1,1,2,2-Tetrachloroethane	9.9		"	10.0		98.8	76-129		7.45	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		132	54-165		5.63	30	
1,1,2-Trichloroethane	9.8		"	10.0		98.0	82-123		9.85	30	
1,1-Dichloroethane	10		"	10.0		102	82-129		4.61	30	
1,1-Dichloroethylene	12		"	10.0		124	68-138		5.74	30	
1,2,3-Trichlorobenzene	15		"	10.0		151	40-130	High Bias	51.0	30	Non-dir.
1,2,3-Trichloropropane	9.4		"	10.0		93.5	77-128		8.36	30	
1,2,4-Trichlorobenzene	11		"	10.0		113	65-137		20.8	30	
1,2,4-Trimethylbenzene	9.9		"	10.0		99.4	82-132		2.78	30	
1,2-Dibromo-3-chloropropane	9.0		"	10.0		90.3	45-147		16.8	30	
1,2-Dibromoethane	10		"	10.0		101	83-124		11.4	30	
1,2-Dichlorobenzene	10		"	10.0		102	79-123		3.50	30	
1,2-Dichloroethane	10		"	10.0		101	73-132		8.99	30	
1,2-Dichloropropane	10		"	10.0		101	78-126		5.20	30	
1,3,5-Trimethylbenzene	9.9		"	10.0		98.6	80-131		2.80	30	
1,3-Dichlorobenzene	9.9		"	10.0		99.1	86-130		0.404	30	
1,4-Dichlorobenzene	9.8		"	10.0		97.9	85-130		0.718	30	
1,4-Dioxane	160		"	210		78.5	10-349		2.35	30	
2-Butanone	8.6		"	10.0		86.0	49-152		87.6	30	Non-dir.
2-Hexanone	8.5		"	10.0		84.7	51-146		20.1	30	
4-Methyl-2-pentanone	9.3		"	10.0		93.4	57-145		18.2	30	
Acetone	6.0		"	10.0		60.3	14-150		45.1	30	Non-dir.
Acrolein	7.7		"	10.0		76.9	10-153		3.17	30	
Acrylonitrile	9.6		"	10.0		95.6	51-150		96.7	30	Non-dir.
Benzene	11		"	10.0		106	85-126		5.24	30	
Bromochloromethane	10		"	10.0		99.5	77-128		7.08	30	
Bromodichloromethane	9.9		"	10.0		98.8	79-128		6.48	30	
Bromoform	11		"	10.0		107	78-133		13.1	30	
Bromomethane	9.0		"	10.0		89.5	43-168		12.1	30	
Carbon disulfide	12		"	10.0		124	68-146		4.78	30	
Carbon tetrachloride	12		"	10.0		123	77-141		5.96	30	
Chlorobenzene	11		"	10.0		108	88-120		4.08	30	
Chloroethane	11		"	10.0		112	65-136		6.62	30	
Chloroform	10		"	10.0		103	82-128		5.48	30	
Chloromethane	10		"	10.0		103	43-155		0.874	30	
cis-1,2-Dichloroethylene	10		"	10.0		102	83-129		5.12	30	
cis-1,3-Dichloropropylene	9.7		"	10.0		96.9	80-131		6.72	30	
Cyclohexane	13		"	10.0		126	63-149		5.72	30	
Dibromochloromethane	10		"	10.0		101	80-130		9.46	30	
Dibromomethane	9.8		"	10.0		97.9	72-134		7.97	30	
Dichlorodifluoromethane	15		"	10.0		151	44-144	High Bias	3.71	30	
Ethyl Benzene	11		"	10.0		106	80-131		2.96	30	
Hexachlorobutadiene	11		"	10.0		108	67-146		0.934	30	
Isopropylbenzene	10		"	10.0		105	76-140		4.20	30	
Methyl acetate	9.2		"	10.0		91.8	51-139		11.3	30	
Methyl tert-butyl ether (MTBE)	9.8		"	10.0		97.5	76-135		13.9	30	
Methylcyclohexane	12		"	10.0		122	72-143		4.17	30	
Methylene chloride	9.6		"	10.0		95.9	55-137		5.79	30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40221 - EPA 5030B											
LCS Dup (BE40221-BSD1)								Prepared & Analyzed: 05/06/2024			
n-Butylbenzene	10		ug/L	10.0		105	79-132		2.35	30	
n-Propylbenzene	10		"	10.0		104	78-133		3.76	30	
o-Xylene	10		"	10.0		104	78-130		3.23	30	
p- & m- Xylenes	22		"	20.0		111	77-133		3.08	30	
p-Isopropyltoluene	11		"	10.0		106	81-136		2.90	30	
sec-Butylbenzene	11		"	10.0		108	79-137		3.91	30	
Styrene	10		"	10.0		103	67-132		5.37	30	
tert-Butyl alcohol (TBA)	35		"	50.0		70.1	25-162		10.0	30	
tert-Butylbenzene	11		"	10.0		105	77-138		3.83	30	
Tetrachloroethylene	6.3		"	10.0		63.0	82-131	Low Bias	2.41	30	
Toluene	10		"	10.0		104	80-127		2.91	30	
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132		4.96	30	
trans-1,3-Dichloropropylene	9.7		"	10.0		96.7	78-131		9.42	30	
trans-1,4-dichloro-2-butene	9.4		"	10.0		94.2	63-141		9.10	30	
Trichloroethylene	10		"	10.0		103	82-128		3.26	30	
Trichlorofluoromethane	13		"	10.0		132	67-139		5.63	30	
Vinyl Chloride	12		"	10.0		121	58-145		6.37	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.82*		*"*	*10.0*		*98.2*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.90*		*"*	*10.0*		*99.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.52*		*"*	*10.0*		*95.2*	*79-122*				
Batch BE40294 - EPA 5030B											
Blank (BE40294-BLK1)								Prepared & Analyzed: 05/04/2024			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	1.4	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40294 - EPA 5030B											
Blank (BE40294-BLK1)							Prepared & Analyzed: 05/04/2024				
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				

Batch BE40294 - EPA 5030B

LCS (BE40294-BS1) Prepared & Analyzed: 05/04/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	11		"	10.0		114	78-136				
1,1,2,2-Tetrachloroethane	12		"	10.0		123	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		120	54-165				
1,1,2-Trichloroethane	11		"	10.0		110	82-123				
1,1-Dichloroethane	11		"	10.0		109	82-129				
1,1-Dichloroethylene	12		"	10.0		124	68-138				
1,2,3-Trichlorobenzene	11		"	10.0		106	40-130				
1,2,3-Trichloropropane	11		"	10.0		110	77-128				
1,2,4-Trichlorobenzene	11		"	10.0		107	65-137				
1,2,4-Trimethylbenzene	10		"	10.0		103	82-132				
1,2-Dibromo-3-chloropropane	12		"	10.0		119	45-147				
1,2-Dibromoethane	11		"	10.0		110	83-124				
1,2-Dichlorobenzene	11		"	10.0		107	79-123				
1,2-Dichloroethane	11		"	10.0		110	73-132				
1,2-Dichloropropane	11		"	10.0		111	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131				
1,3-Dichlorobenzene	11		"	10.0		105	86-130				
1,4-Dichlorobenzene	10		"	10.0		104	85-130				
1,4-Dioxane	300		"	210		143	10-349				
2-Butanone	12		"	10.0		119	49-152				
2-Hexanone	11		"	10.0		110	51-146				
4-Methyl-2-pentanone	12		"	10.0		117	57-145				
Acetone	9.7		"	10.0		97.1	14-150				
Acrolein	19		"	10.0		193	10-153	High Bias			
Acrylonitrile	12		"	10.0		117	51-150				
Benzene	11		"	10.0		111	85-126				
Bromochloromethane	11		"	10.0		108	77-128				
Bromodichloromethane	11		"	10.0		108	79-128				
Bromoform	11		"	10.0		112	78-133				
Bromomethane	10		"	10.0		100	43-168				
Carbon disulfide	13		"	10.0		128	68-146				
Carbon tetrachloride	12		"	10.0		116	77-141				
Chlorobenzene	11		"	10.0		114	88-120				
Chloroethane	10		"	10.0		100	65-136				
Chloroform	11		"	10.0		108	82-128				
Chloromethane	11		"	10.0		110	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	11		"	10.0		106	80-131				
Cyclohexane	11		"	10.0		107	63-149				
Dibromochloromethane	11		"	10.0		107	80-130				
Dibromomethane	11		"	10.0		111	72-134				
Dichlorodifluoromethane	12		"	10.0		120	44-144				
Ethyl Benzene	11		"	10.0		106	80-131				
Hexachlorobutadiene	10		"	10.0		99.6	67-146				
Isopropylbenzene	10		"	10.0		103	76-140				
Methyl acetate	11		"	10.0		111	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		114	76-135				
Methylcyclohexane	10		"	10.0		104	72-143				
Methylene chloride	11		"	10.0		114	55-137				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40294 - EPA 5030B											
LCS (BE40294-BS1)								Prepared & Analyzed: 05/04/2024			
n-Butylbenzene	10		ug/L	10.0		100	79-132				
n-Propylbenzene	10		"	10.0		102	78-133				
o-Xylene	11		"	10.0		107	78-130				
p- & m- Xylenes	21		"	20.0		104	77-133				
p-Isopropyltoluene	10		"	10.0		100	81-136				
sec-Butylbenzene	10		"	10.0		101	79-137				
Styrene	11		"	10.0		106	67-132				
tert-Butyl alcohol (TBA)	66		"	50.0		132	25-162				
tert-Butylbenzene	10		"	10.0		102	77-138				
Tetrachloroethylene	5.8		"	10.0		58.0	82-131	Low Bias			
Toluene	11		"	10.0		111	80-127				
trans-1,2-Dichloroethylene	12		"	10.0		115	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		108	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		112	63-141				
Trichloroethylene	11		"	10.0		107	82-128				
Trichlorofluoromethane	12		"	10.0		120	67-139				
Vinyl Chloride	10		"	10.0		104	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		"	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		"	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.74*		"	*10.0*		*97.4*	*79-122*				
LCS Dup (BE40294-BSD1)								Prepared & Analyzed: 05/04/2024			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126		6.29	30	
1,1,1-Trichloroethane	11		"	10.0		108	78-136		5.68	30	
1,1,2,2-Tetrachloroethane	12		"	10.0		120	76-129		2.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		115	54-165		3.66	30	
1,1,2-Trichloroethane	11		"	10.0		107	82-123		2.67	30	
1,1-Dichloroethane	10		"	10.0		104	82-129		5.08	30	
1,1-Dichloroethylene	12		"	10.0		118	68-138		5.45	30	
1,2,3-Trichlorobenzene	10		"	10.0		102	40-130		4.41	30	
1,2,3-Trichloropropane	11		"	10.0		108	77-128		1.65	30	
1,2,4-Trichlorobenzene	10		"	10.0		103	65-137		3.14	30	
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132		2.16	30	
1,2-Dibromo-3-chloropropane	11		"	10.0		108	45-147		9.62	30	
1,2-Dibromoethane	11		"	10.0		105	83-124		4.63	30	
1,2-Dichlorobenzene	10		"	10.0		102	79-123		4.58	30	
1,2-Dichloroethane	10		"	10.0		104	73-132		5.15	30	
1,2-Dichloropropane	11		"	10.0		106	78-126		4.78	30	
1,3,5-Trimethylbenzene	9.9		"	10.0		99.3	80-131		2.49	30	
1,3-Dichlorobenzene	10		"	10.0		102	86-130		3.48	30	
1,4-Dichlorobenzene	10		"	10.0		100	85-130		3.72	30	
1,4-Dioxane	300		"	210		141	10-349		1.36	30	
2-Butanone	11		"	10.0		107	49-152		10.8	30	
2-Hexanone	10		"	10.0		104	51-146		6.36	30	
4-Methyl-2-pentanone	11		"	10.0		110	57-145		5.46	30	
Acetone	9.2		"	10.0		92.0	14-150		5.39	30	
Acrolein	17		"	10.0		170	10-153	High Bias	12.7	30	
Acrylonitrile	11		"	10.0		110	51-150		6.16	30	
Benzene	11		"	10.0		106	85-126		5.08	30	
Bromochloromethane	10		"	10.0		103	77-128		4.82	30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40294 - EPA 5030B											
LCS Dup (BE40294-BSD1)							Prepared & Analyzed: 05/04/2024				
Bromodichloromethane	10		ug/L	10.0		103	79-128		4.46	30	
Bromoform	11		"	10.0		107	78-133		5.02	30	
Bromomethane	9.6		"	10.0		95.6	43-168		4.70	30	
Carbon disulfide	12		"	10.0		121	68-146		5.69	30	
Carbon tetrachloride	11		"	10.0		110	77-141		5.93	30	
Chlorobenzene	11		"	10.0		108	88-120		4.87	30	
Chloroethane	9.2		"	10.0		91.7	65-136		8.66	30	
Chloroform	10		"	10.0		103	82-128		4.76	30	
Chloromethane	11		"	10.0		107	43-155		3.23	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		5.99	30	
cis-1,3-Dichloropropylene	10		"	10.0		100	80-131		6.10	30	
Cyclohexane	10		"	10.0		102	63-149		4.97	30	
Dibromochloromethane	10		"	10.0		102	80-130		4.49	30	
Dibromomethane	10		"	10.0		104	72-134		6.50	30	
Dichlorodifluoromethane	11		"	10.0		114	44-144		4.52	30	
Ethyl Benzene	10		"	10.0		102	80-131		3.64	30	
Hexachlorobutadiene	9.6		"	10.0		96.5	67-146		3.16	30	
Isopropylbenzene	10		"	10.0		102	76-140		1.46	30	
Methyl acetate	10		"	10.0		104	51-139		5.86	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		7.00	30	
Methylcyclohexane	9.8		"	10.0		97.8	72-143		6.53	30	
Methylene chloride	11		"	10.0		109	55-137		4.32	30	
n-Butylbenzene	9.7		"	10.0		97.4	79-132		2.83	30	
n-Propylbenzene	10		"	10.0		100	78-133		1.48	30	
o-Xylene	10		"	10.0		102	78-130		4.61	30	
p- & m- Xylenes	20		"	20.0		100	77-133		3.87	30	
p-Isopropyltoluene	9.8		"	10.0		97.8	81-136		2.62	30	
sec-Butylbenzene	9.9		"	10.0		98.7	79-137		2.20	30	
Styrene	10		"	10.0		101	67-132		4.26	30	
tert-Butyl alcohol (TBA)	62		"	50.0		124	25-162		6.67	30	
tert-Butylbenzene	10		"	10.0		100	77-138		1.78	30	
Tetrachloroethylene	5.5		"	10.0		54.9	82-131	Low Bias	5.49	30	
Toluene	10		"	10.0		105	80-127		5.29	30	
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132		5.34	30	
trans-1,3-Dichloropropylene	10		"	10.0		103	78-131		5.03	30	
trans-1,4-dichloro-2-butene	11		"	10.0		109	63-141		2.99	30	
Trichloroethylene	10		"	10.0		101	82-128		5.47	30	
Trichlorofluoromethane	11		"	10.0		112	67-139		6.64	30	
Vinyl Chloride	9.8		"	10.0		98.2	58-145		5.64	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.95*		"	*10.0*		*99.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		"	*10.0*		*100*	*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 BE40306 - EPA 1633 Prep											
Blank (BE40306-BLK1)							Prepared: 05/05/2024 Analyzed: 05/06/2024				
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	*52.0*		"	*46.6*		*112*	*25-150*				
Surrogate: M5PFHxA	*49.7*		"	*50.0*		*99.4*	*25-150*				
Surrogate: M4PFHpA	*82.9*		"	*50.0*		*166*	*25-150*				
Surrogate: M3PFHxS	*55.9*		"	*47.4*		*118*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*44.3*		"	*50.0*		*88.6*	*25-150*				
Surrogate: M6PFDA	*26.7*		"	*25.0*		*107*	*25-150*				

Batch BE40306 - EPA 1633 Prep

Blank (BE40306-BLK1) Prepared: 05/05/2024 Analyzed: 05/06/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Surrogate: M7PFUdA	*24.0*		*ng/L*	*25.0*		*96.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*17.7*		*"*	*25.0*		*70.9*	*25-150*				
Surrogate: M2PFTeDA	*13.1*		*"*	*25.0*		*52.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.96*		*"*	*200*		*2.98*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*51.6*		*"*	*47.9*		*108*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*54.2*		*"*	*100*		*54.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*46.5*		*"*	*50.0*		*93.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*80.5*		*"*	*100*		*80.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*80.1*		*"*	*100*		*80.1*	*25-150*				
Surrogate: M2-6:2 FTS	*230*		*"*	*95.1*		*242*	*25-200*				
Surrogate: M2-8:2 FTS	*112*		*"*	*96.0*		*116*	*25-200*				
Surrogate: M9PFNA	*30.0*		*"*	*25.0*		*120*	*25-150*				
Surrogate: M2-4:2 FTS	*227*		*"*	*93.8*		*242*	*25-150*				
Surrogate: d-N-MeFOSA	*29.0*		*"*	*50.0*		*58.0*	*25-150*				
Surrogate: d-N-EtFOSA	*32.9*		*"*	*50.0*		*65.8*	*25-150*				
Surrogate: M3HFPO-DA	*225*		*"*	*200*		*112*	*25-150*				
Surrogate: d9-N-EtFOSE	*201*		*"*	*500*		*40.3*	*25-150*				
Surrogate: d7-N-MeFOSE	*231*		*"*	*500*		*46.2*	*25-150*				

LCS (BE40306-BS1) Prepared: 05/05/2024 Analyzed: 05/06/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	62.6	3.54	ng/L	70.8		88.4	50-150				
Perfluorohexanoic acid (PFHxA)	70.5	4.00	"	80.0		88.1	50-150				
Perfluoroheptanoic acid (PFHpA)	47.5	4.00	"	80.0		59.4	50-150				
Perfluorohexanesulfonic acid (PFHxS)	71.2	3.66	"	73.2		97.3	50-150				
Perfluorooctanoic acid (PFOA)	78.9	4.00	"	80.0		98.7	50-150				
Perfluorooctanesulfonic acid (PFOS)	66.5	3.72	"	74.4		89.4	50-150				
Perfluorononanoic acid (PFNA)	73.8	4.00	"	80.0		92.3	50-150				
Perfluorodecanoic acid (PFDA)	87.5	4.00	"	80.0		109	50-150				
Perfluoroundecanoic acid (PFUnA)	82.4	4.00	"	80.0		103	50-150				
Perfluorododecanoic acid (PFDoA)	87.8	4.00	"	80.0		110	50-150				
Perfluorotridecanoic acid (PFTrDA)	75.3	4.00	"	80.0		94.2	50-150				
Perfluorotetradecanoic acid (PFTA)	72.9	4.00	"	80.0		91.1	50-150				
N-MeFOSAA	88.2	4.00	"	80.0		110	50-150				
N-EtFOSAA	74.6	4.00	"	80.0		93.3	50-150				
Perfluoropentanoic acid (PFPeA)	145	8.00	"	160		90.5	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	78.8	4.00	"	80.0		98.5	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	67.8	3.82	"	76.4		88.7	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	63.0	3.86	"	77.2		81.7	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	333	15.2	"	304		109	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	278	15.4	"	307		90.5	50-150				
Perfluoro-n-butanoic acid (PFBA)	302	16.0	"	320		94.5	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	121	7.12	"	142		85.3	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	127	8.00	"	160		79.2	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	87.7	8.00	"	160		54.8	50-150				

Batch BE40306 - EPA 1633 Prep

LCS (BE40306-BS1) Prepared: 05/05/2024 Analyzed: 05/06/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluoro-5-oxahexanoic acid (PFMBA)	151	8.00	ng/L	160		94.2	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	66.5	3.76	"	75.2		88.4	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	329	15.0	"	300		110	50-150				
HFPO-DA (Gen-X)	142	16.0	"	160		88.9	50-150				
11CL-PF3OUdS	108	15.1	"	151		71.3	50-150				
9CL-PF3ONS	125	15.0	"	150		83.3	50-150				
ADONA	141	15.1	"	151		93.0	50-150				
Perfluorododecanesulfonic acid (PFDoS)	57.6	3.88	"	77.6		74.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	66.3	3.84	"	76.8		86.4	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	261	10.0	"	320		81.5	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	1490	50.0	"	1600		92.8	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	2050	50.0	"	1600		128	50-150				
N-MeFOSE	639	40.0	"	800		79.9	50-150				
N-MeFOSA	77.2	4.00	"	80.0		96.6	50-150				
N-EtFOSE	667	40.0	"	800		83.5	50-150				
N-EtFOSA	78.8	4.00	"	80.0		98.5	50-150				
Surrogate: M3PFBS	*51.5*		"	*46.6*		*111*	*25-150*				
Surrogate: M5PFHxA	*51.5*		"	*50.0*		*103*	*25-150*				
Surrogate: M4PFHpA	*74.7*		"	*50.0*		*149*	*25-150*				
Surrogate: M3PFHxS	*51.8*		"	*47.4*		*109*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*46.8*		"	*50.0*		*93.6*	*25-150*				
Surrogate: M6PFDA	*25.3*		"	*25.0*		*101*	*25-150*				
Surrogate: M7PFUdA	*25.0*		"	*25.0*		*100*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*17.5*		"	*25.0*		*70.1*	*25-150*				
Surrogate: M2PFTeDA	*21.6*		"	*25.0*		*86.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*53.2*		"	*200*		*26.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*48.6*		"	*47.9*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*95.0*		"	*100*		*95.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*48.2*		"	*50.0*		*96.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*87.3*		"	*100*		*87.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*83.1*		"	*100*		*83.1*	*25-150*				
Surrogate: M2-6:2 FTS	*219*		"	*95.1*		*231*	*25-200*				
Surrogate: M2-8:2 FTS	*142*		"	*96.0*		*148*	*25-200*				
Surrogate: M9PFNA	*23.5*		"	*25.0*		*94.0*	*25-150*				
Surrogate: M2-4:2 FTS	*222*		"	*93.8*		*236*	*25-150*				
Surrogate: d-N-MeFOSA	*36.6*		"	*50.0*		*73.2*	*25-150*				
Surrogate: d-N-EtFOSA	*42.1*		"	*50.0*		*84.2*	*25-150*				
Surrogate: M3HFPO-DA	*219*		"	*200*		*110*	*25-150*				
Surrogate: d9-N-EtFOSE	*371*		"	*500*		*74.3*	*25-150*				
Surrogate: d7-N-MeFOSE	*367*		"	*500*		*73.4*	*25-150*				

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

York Analytical Laboratories, Inc. - Stratford

Batch BE40306 - EPA 1633 Prep

LCS (BE40306-BS2) Prepared: 05/05/2024 Analyzed: 05/06/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	13.0	3.54	ng/L	14.2		92.0	50-150				
Perfluorohexanoic acid (PFHxA)	15.7	4.00	"	16.0		97.8	50-150				
Perfluoroheptanoic acid (PFHpA)	10.3	4.00	"	16.0		64.6	50-150				
Perfluorohexanesulfonic acid (PFHxS)	16.3	3.66	"	14.6		111	50-150				
Perfluorooctanoic acid (PFOA)	16.1	4.00	"	16.0		100	50-150				
Perfluorooctanesulfonic acid (PFOS)	14.0	3.72	"	14.9		93.9	50-150				
Perfluorononanoic acid (PFNA)	15.1	4.00	"	16.0		94.3	50-150				
Perfluorodecanoic acid (PFDA)	21.4	4.00	"	16.0		134	50-150				
Perfluoroundecanoic acid (PFUnA)	19.5	4.00	"	16.0		122	50-150				
Perfluorododecanoic acid (PFDoA)	17.4	4.00	"	16.0		109	50-150				
Perfluorotridecanoic acid (PFTrDA)	18.9	4.00	"	16.0		118	50-150				
Perfluorotetradecanoic acid (PFTA)	14.2	4.00	"	16.0		88.5	50-150				
N-MeFOSAA	19.2	4.00	"	16.0		120	50-150				
N-EtFOSAA	13.9	4.00	"	16.0		87.1	50-150				
Perfluoropentanoic acid (PFPeA)	29.8	8.00	"	32.0		93.2	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	18.2	4.00	"	16.0		114	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	13.7	3.82	"	15.3		89.7	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	12.1	3.86	"	15.4		78.2	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	72.3	15.2	"	60.8		119	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	56.9	15.4	"	61.4		92.6	50-150				
Perfluoro-n-butanoic acid (PFBA)	63.7	16.0	"	64.0		99.6	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	25.5	7.12	"	28.5		89.7	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	22.3	8.00	"	32.0		69.8	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	12.5	8.00	"	32.0		38.9	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	32.2	8.00	"	32.0		100	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	15.8	3.76	"	15.0		105	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	74.0	15.0	"	60.0		123	50-150				
HFPO-DA (Gen-X)	22.5	16.0	"	32.0		70.4	50-150				
11CL-PF3OUdS	21.8	15.1	"	30.2		72.0	50-150				
9CL-PF3ONS	25.7	15.0	"	29.9		85.9	50-150				
ADONA	30.0	15.1	"	30.2		99.2	50-150				
Perfluorododecanesulfonic acid (PFDoS)	9.27	3.88	"	15.5		59.8	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	11.8	3.84	"	15.4		77.0	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	50.6	10.0	"	64.0		79.1	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	316	50.0	"	320		98.7	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	450	50.0	"	320		141	50-150				
N-MeFOSE	139	40.0	"	160		86.8	50-150				
N-MeFOSA	18.7	4.00	"	16.0		117	50-150				
N-EtFOSE	147	40.0	"	160		91.9	50-150				
N-EtFOSA	17.9	4.00	"	16.0		112	50-150				
Surrogate: M3PFBS	*64.2*		"	*46.6*		*138*	*25-150*				
Surrogate: M5PFHxA	*58.1*		"	*50.0*		*116*	*25-150*				
Surrogate: M4PFHpA	*82.9*		"	*50.0*		*166*	*25-150*				
Surrogate: M3PFHxS	*61.5*		"	*47.4*		*130*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*48.9*		"	*50.0*		*97.8*	*25-150*				
Surrogate: M6PFDA	*25.8*		"	*25.0*		*103*	*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 BE40306 - EPA 1633 Prep											
LCS (BE40306-BS2)								Prepared: 05/05/2024 Analyzed: 05/06/2024			
Surrogate: M7PFUdA	*27.0*		*ng/L*	*25.0*		*108*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*18.9*		"	*25.0*		*75.7*	*25-150*				
Surrogate: M2PFTeDA	*18.4*		"	*25.0*		*73.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*27.7*		"	*200*		*13.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*57.4*		"	*47.9*		*120*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*103*		"	*100*		*103*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*54.8*		"	*50.0*		*110*	*10-150*				
Surrogate: d3-N-MeFOSAA	*103*		"	*100*		*103*	*25-150*				
Surrogate: d5-N-EtFOSAA	*103*		"	*100*		*103*	*25-150*				
Surrogate: M2-6:2 FTS	*243*		"	*95.1*		*256*	*25-200*				
Surrogate: M2-8:2 FTS	*166*		"	*96.0*		*173*	*25-200*				
Surrogate: M9PFNA	*28.6*		"	*25.0*		*115*	*25-150*				
Surrogate: M2-4:2 FTS	*255*		"	*93.8*		*272*	*25-150*				
Surrogate: d-N-MeFOSA	*45.0*		"	*50.0*		*89.9*	*25-150*				
Surrogate: d-N-EtFOSA	*47.6*		"	*50.0*		*95.2*	*25-150*				
Surrogate: M3HFPO-DA	*242*		"	*200*		*121*	*25-150*				
Surrogate: d9-N-EtFOSE	*364*		"	*500*		*72.8*	*25-150*				
Surrogate: d7-N-MeFOSE	*403*		"	*500*		*80.6*	*25-150*				
Duplicate (BE40306-DUP1)	*Source sample: 24D1733-05 (Field Blank)							Prepared: 05/05/2024 Analyzed: 05/07/2024			
Perfluorobutanesulfonic acid (PFBS)	ND	1.65	ng/L		ND					30	
Perfluorohexanoic acid (PFHxA)	ND	1.87	"		ND					30	
Perfluoroheptanoic acid (PFHpA)	ND	1.87	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	ND	1.71	"		ND					30	
Perfluorooctanoic acid (PFOA)	ND	1.87	"		ND					30	
Perfluorooctanesulfonic acid (PFOS)	ND	1.74	"		ND					30	
Perfluorononanoic acid (PFNA)	ND	1.87	"		ND					30	
Perfluorodecanoic acid (PFDA)	ND	1.87	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	1.87	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	1.87	"		ND					30	
Perfluorotridecanoic acid (PFTrDA)	ND	1.87	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	1.87	"		ND					30	
N-MeFOSAA	ND	1.87	"		ND					30	
N-EtFOSAA	ND	1.87	"		ND					30	
Perfluoropentanoic acid (PFPeA)	ND	3.73	"		ND					30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.87	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.78	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.80	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.09	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.17	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	0.932	7.46	"		ND					30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.32	"		ND					30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.73	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.73	"		ND					30	

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 BE40306 - EPA 1633 Prep											
Duplicate (BE40306-DUP1)	*Source sample: 24D1733-05 (Field Blank)							Prepared: 05/05/2024 Analyzed: 05/07/2024			
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.73	ng/L		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.75	"		ND					30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.00	"		ND					30	
HFPO-DA (Gen-X)	ND	7.46	"		ND					30	
11CL-PF3OUdS	ND	7.05	"		ND					30	
9CL-PF3ONS	ND	6.98	"		ND					30	
ADONA	ND	7.05	"		ND					30	
Perfluorododecanesulfonic acid (PFDoS)	ND	1.81	"		ND					30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.79	"		ND					30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.66	"		ND					30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	23.3	"		ND					30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	23.3	"		ND					30	
N-MeFOSE	ND	18.7	"		ND					30	
N-MeFOSA	ND	1.87	"		ND					30	
N-EtFOSE	ND	18.7	"		ND					30	
N-EtFOSA	ND	1.87	"		ND					30	
Surrogate: M3PFBS	*15.7*		"	*21.7*		*72.4*	*25-150*				
Surrogate: M5PFHxA	*17.0*		"	*23.3*		*72.9*	*25-150*				
Surrogate: M4PFHpA	*29.5*		"	*23.3*		*126*	*25-150*				
Surrogate: M3PFHxS	*21.7*		"	*22.1*		*98.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*18.5*		"	*23.3*		*79.5*	*25-150*				
Surrogate: M6PFDA	*10.8*		"	*11.7*		*92.6*	*25-150*				
Surrogate: M7PFUdA	*11.4*		"	*11.7*		*98.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*7.91*		"	*11.7*		*67.8*	*25-150*				
Surrogate: M2PFTeDA	*8.38*		"	*11.7*		*71.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.96*		"	*93.3*		*2.10*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*21.1*		"	*22.3*		*94.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*10.3*		"	*46.6*		*22.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*22.8*		"	*23.3*		*97.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*36.2*		"	*46.6*		*77.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*35.6*		"	*46.6*		*76.2*	*25-150*				
Surrogate: M2-6:2 FTS	*88.7*		"	*44.4*		*200*	*25-200*				
Surrogate: M2-8:2 FTS	*60.3*		"	*44.8*		*135*	*25-200*				
Surrogate: M9PFNA	*10.6*		"	*11.7*		*90.9*	*25-150*				
Surrogate: M2-4:2 FTS	*75.1*		"	*43.8*		*172*	*25-150*				
Surrogate: d-N-MeFOSA	*21.2*		"	*23.3*		*90.9*	*25-150*				
Surrogate: d-N-EtFOSA	*16.5*		"	*23.3*		*70.7*	*25-150*				
Surrogate: M3HFPO-DA	*78.7*		"	*93.3*		*84.4*	*25-150*				
Surrogate: d9-N-EtFOSE	*118*		"	*233*		*50.4*	*25-150*				
Surrogate: d7-N-MeFOSE	*136*		"	*233*		*58.2*	*25-150*				

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

York Analytical Laboratories, Inc. - Stratford

Batch BE40363 - EPA 1633 Prep

Blank (BE40363-BLK1) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	0.731	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	*51.4*		*"*	*46.6*		*110*	*25-150*				
Surrogate: M5PFHxA	*53.3*		*"*	*50.0*		*107*	*25-150*				
Surrogate: M4PFHpA	*78.6*		*"*	*50.0*		*157*	*25-150*				
Surrogate: M3PFHxS	*51.7*		*"*	*47.4*		*109*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*45.0*		*"*	*50.0*		*90.1*	*25-150*				
Surrogate: M6PFDA	*24.1*		*"*	*25.0*		*96.4*	*25-150*				

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

York Analytical Laboratories, Inc. - Stratford

Batch BE40363 - EPA 1633 Prep

Blank (BE40363-BLK1) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Surrogate: M7PFUdA	*22.6*		*ng/L*	*25.0*		*90.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*17.4*		*"*	*25.0*		*69.7*	*25-150*				
Surrogate: M2PFTeDA	*18.0*		*"*	*25.0*		*72.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*17.3*		*"*	*200*		*8.64*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*50.2*		*"*	*47.9*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.5*		*"*	*100*		*80.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*40.0*		*"*	*50.0*		*79.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*68.3*		*"*	*100*		*68.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*62.8*		*"*	*100*		*62.8*	*25-150*				
Surrogate: M2-6:2 FTS	*164*		*"*	*95.1*		*173*	*25-200*				
Surrogate: M2-8:2 FTS	*92.0*		*"*	*96.0*		*95.8*	*25-200*				
Surrogate: M9PFNA	*24.4*		*"*	*25.0*		*97.6*	*25-150*				
Surrogate: M2-4:2 FTS	*156*		*"*	*93.8*		*166*	*25-150*				
Surrogate: d-N-MeFOSA	*31.4*		*"*	*50.0*		*62.8*	*25-150*				
Surrogate: d-N-EtFOSA	*27.4*		*"*	*50.0*		*54.7*	*25-150*				
Surrogate: M3HFPO-DA	*210*		*"*	*200*		*105*	*25-150*				
Surrogate: d9-N-EtFOSE	*228*		*"*	*500*		*45.7*	*25-150*				
Surrogate: d7-N-MeFOSE	*267*		*"*	*500*		*53.4*	*25-150*				

Blank (BE40363-BLK2) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	ND	1.68	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	1.90	"								
Perfluoroheptanoic acid (PFHpA)	ND	1.90	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.74	"								
Perfluorooctanoic acid (PFOA)	ND	1.90	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.77	"								
Perfluorononanoic acid (PFNA)	0.624	1.90	"								
Perfluorodecanoic acid (PFDA)	ND	1.90	"								
Perfluoroundecanoic acid (PFUnA)	ND	1.90	"								
Perfluorododecanoic acid (PFDoA)	ND	1.90	"								
Perfluorotridecanoic acid (PFTrDA)	ND	1.90	"								
Perfluorotetradecanoic acid (PFTA)	ND	1.90	"								
N-MeFOSAA	ND	1.90	"								
N-EtFOSAA	ND	1.90	"								
Perfluoropentanoic acid (PFPeA)	0.349	3.80	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.90	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.83	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.22	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.30	"								
Perfluoro-n-butanoic acid (PFBA)	ND	7.60	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.38	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.80	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.80	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40363 - EPA 1633 Prep											
Blank (BE40363-BLK2)								Prepared: 05/06/2024 Analyzed: 05/07/2024			
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.80	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.79	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.13	"								
HFPO-DA (Gen-X)	ND	7.60	"								
11CL-PF3OUdS	ND	7.19	"								
9CL-PF3ONS	ND	7.11	"								
ADONA	ND	7.19	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.84	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.83	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.75	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	23.8	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	23.8	"								
N-MeFOSE	ND	19.0	"								
N-MeFOSA	ND	1.90	"								
N-EtFOSE	ND	19.0	"								
N-EtFOSA	ND	1.90	"								
Surrogate: M3PFBS	*10.3*		"	*22.1*		*46.6*	*25-150*				
Surrogate: M5PFHxA	*14.2*		"	*23.8*		*59.9*	*25-150*				
Surrogate: M4PFHpA	*31.4*		"	*23.8*		*132*	*25-150*				
Surrogate: M3PFHxS	*20.9*		"	*22.5*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*18.5*		"	*23.8*		*77.7*	*25-150*				
Surrogate: M6PFDA	*12.0*		"	*11.9*		*101*	*25-150*				
Surrogate: M7PFUdA	*8.84*		"	*11.9*		*74.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.74*		"	*11.9*		*48.3*	*25-150*				
Surrogate: M2PFTeDA	*4.80*		"	*11.9*		*40.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*0.568*		"	*95.1*		*0.598*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*21.5*		"	*22.8*		*94.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.94*		"	*47.5*		*8.30*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*19.3*		"	*23.8*		*81.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*30.3*		"	*47.5*		*63.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*23.9*		"	*47.5*		*50.3*	*25-150*				
Surrogate: M2-6:2 FTS	*64.3*		"	*45.2*		*142*	*25-200*				
Surrogate: M2-8:2 FTS	*37.4*		"	*45.6*		*82.0*	*25-200*				
Surrogate: M9PFNA	*9.99*		"	*11.9*		*84.1*	*25-150*				
Surrogate: M2-4:2 FTS	*38.7*		"	*44.6*		*86.9*	*25-150*				
Surrogate: d-N-MeFOSA	*14.7*		"	*23.8*		*61.9*	*25-150*				
Surrogate: d-N-EtFOSA	*11.4*		"	*23.8*		*47.8*	*25-150*				
Surrogate: M3HFPO-DA	*64.8*		"	*95.1*		*68.2*	*25-150*				
Surrogate: d9-N-EtFOSE	*60.6*		"	*238*		*25.5*	*25-150*				
Surrogate: d7-N-MeFOSE	*79.6*		"	*238*		*33.5*	*25-150*				

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

Batch BE40363 - EPA 1633 Prep

LCS (BE40363-BS1) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	72.7	3.54	ng/L	70.8		103	50-150				
Perfluorohexanoic acid (PFHxA)	81.3	4.00	"	80.0		102	50-150				
Perfluoroheptanoic acid (PFHpA)	52.1	4.00	"	80.0		65.1	50-150				
Perfluorohexanesulfonic acid (PFHxS)	81.2	3.66	"	73.2		111	50-150				
Perfluorooctanoic acid (PFOA)	93.7	4.00	"	80.0		117	50-150				
Perfluorooctanesulfonic acid (PFOS)	72.2	3.72	"	74.4		97.0	50-150				
Perfluorononanoic acid (PFNA)	94.2	4.00	"	80.0		118	50-150				
Perfluorodecanoic acid (PFDA)	91.6	4.00	"	80.0		114	50-150				
Perfluoroundecanoic acid (PFUnA)	84.9	4.00	"	80.0		106	50-150				
Perfluorododecanoic acid (PFDoA)	98.4	4.00	"	80.0		123	50-150				
Perfluorotridecanoic acid (PFTrDA)	95.3	4.00	"	80.0		119	50-150				
Perfluorotetradecanoic acid (PFTA)	77.1	4.00	"	80.0		96.4	50-150				
N-MeFOSAA	91.6	4.00	"	80.0		115	50-150				
N-EtFOSAA	83.1	4.00	"	80.0		104	50-150				
Perfluoropentanoic acid (PFPeA)	162	8.00	"	160		101	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	83.4	4.00	"	80.0		104	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	74.9	3.82	"	76.4		98.1	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	67.8	3.86	"	77.2		87.8	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	383	15.2	"	304		126	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	317	15.4	"	307		103	50-150				
Perfluoro-n-butanoic acid (PFBA)	292	16.0	"	320		91.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	134	7.12	"	142		94.3	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	135	8.00	"	160		84.6	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	25.0	8.00	"	160		15.6	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	227	8.00	"	160		142	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	74.4	3.76	"	75.2		99.0	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	366	15.0	"	300		122	50-150				
HFPO-DA (Gen-X)	165	16.0	"	160		103	50-150				
11CL-PF3OUdS	124	15.1	"	151		81.7	50-150				
9CL-PF3ONS	140	15.0	"	150		93.4	50-150				
ADONA	161	15.1	"	151		106	50-150				
Perfluorododecanesulfonic acid (PFDoS)	56.6	3.88	"	77.6		72.9	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	63.6	3.84	"	76.8		82.8	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	248	10.0	"	320		77.6	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	1880	50.0	"	1600		117	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	2540	50.0	"	1600		159	50-150	High Bias			
N-MeFOSE	699	40.0	"	800		87.4	50-150				
N-MeFOSA	89.5	4.00	"	80.0		112	50-150				
N-EtFOSE	794	40.0	"	800		99.3	50-150				
N-EtFOSA	96.9	4.00	"	80.0		121	50-150				
Surrogate: M3PFBS	*42.2*		"	*46.6*		*90.6*	*25-150*				
Surrogate: M5PFHxA	*48.0*		"	*50.0*		*96.1*	*25-150*				
Surrogate: M4PFHpA	*76.1*		"	*50.0*		*152*	*25-150*				
Surrogate: M3PFHxS	*49.0*		"	*47.4*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*42.7*		"	*50.0*		*85.5*	*25-150*				
Surrogate: M6PFDA	*25.3*		"	*25.0*		*101*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40363 - EPA 1633 Prep											
LCS (BE40363-BS1)											Prepared: 05/06/2024 Analyzed: 05/07/2024
Surrogate: M7PFUdA	*21.6*		*ng/L*	*25.0*		*86.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*15.5*		"	*25.0*		*61.9*	*25-150*				
Surrogate: M2PFTeDA	*16.8*		"	*25.0*		*67.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*6.38*		"	*200*		*3.19*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*50.6*		"	*47.9*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*49.5*		"	*100*		*49.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*43.1*		"	*50.0*		*86.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*76.1*		"	*100*		*76.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*67.0*		"	*100*		*67.0*	*25-150*				
Surrogate: M2-6:2 FTS	*173*		"	*95.1*		*182*	*25-200*				
Surrogate: M2-8:2 FTS	*110*		"	*96.0*		*114*	*25-200*				
Surrogate: M9PFNA	*22.5*		"	*25.0*		*90.2*	*25-150*				
Surrogate: M2-4:2 FTS	*147*		"	*93.8*		*156*	*25-150*				
Surrogate: d-N-MeFOSA	*33.7*		"	*50.0*		*67.3*	*25-150*				
Surrogate: d-N-EtFOSA	*28.1*		"	*50.0*		*56.2*	*25-150*				
Surrogate: M3HFPO-DA	*201*		"	*200*		*100*	*25-150*				
Surrogate: d9-N-EtFOSE	*276*		"	*500*		*55.2*	*25-150*				
Surrogate: d7-N-MeFOSE	*302*		"	*500*		*60.3*	*25-150*				
LCS (BE40363-BS2)											Prepared: 05/06/2024 Analyzed: 05/07/2024
Perfluorobutanesulfonic acid (PFBS)	13.7	3.54	ng/L	14.2		96.9	50-150				
Perfluorohexanoic acid (PFHxA)	16.7	4.00	"	16.0		104	50-150				
Perfluoroheptanoic acid (PFHpA)	9.44	4.00	"	16.0		59.0	50-150				
Perfluorohexanesulfonic acid (PFHxS)	14.9	3.66	"	14.6		102	50-150				
Perfluorooctanoic acid (PFOA)	16.0	4.00	"	16.0		100	50-150				
Perfluorooctanesulfonic acid (PFOS)	16.2	3.72	"	14.9		109	50-150				
Perfluorononanoic acid (PFNA)	17.8	4.00	"	16.0		111	50-150				
Perfluorodecanoic acid (PFDA)	19.7	4.00	"	16.0		123	50-150				
Perfluoroundecanoic acid (PFUnA)	19.4	4.00	"	16.0		121	50-150				
Perfluorododecanoic acid (PFDoA)	16.7	4.00	"	16.0		105	50-150				
Perfluorotridecanoic acid (PFTrDA)	16.3	4.00	"	16.0		102	50-150				
Perfluorotetradecanoic acid (PFTA)	15.1	4.00	"	16.0		94.4	50-150				
N-MeFOSAA	16.7	4.00	"	16.0		104	50-150				
N-EtFOSAA	17.3	4.00	"	16.0		108	50-150				
Perfluoropentanoic acid (PFPeA)	31.6	8.00	"	32.0		98.8	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	18.4	4.00	"	16.0		115	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	14.3	3.82	"	15.3		93.9	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	13.0	3.86	"	15.4		84.3	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	69.1	15.2	"	60.8		114	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	66.1	15.4	"	61.4		108	50-150				
Perfluoro-n-butanoic acid (PFBA)	64.0	16.0	"	64.0		100	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	26.0	7.12	"	28.5		91.4	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	34.3	8.00	"	32.0		107	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	5.45	8.00	"	32.0		17.0	50-150	Low Bias			

Batch BE40363 - EPA 1633 Prep

LCS (BE40363-BS2) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluoro-5-oxahexanoic acid (PFMBA)	43.2	8.00	ng/L	32.0		135	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	15.0	3.76	"	15.0		99.8	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	68.8	15.0	"	60.0		115	50-150				
HFPO-DA (Gen-X)	34.8	16.0	"	32.0		109	50-150				
11CL-PF3OUdS	25.8	15.1	"	30.2		85.2	50-150				
9CL-PF3ONS	26.9	15.0	"	29.9		89.8	50-150				
ADONA	30.6	15.1	"	30.2		101	50-150				
Perfluorododecanesulfonic acid (PFDoS)	12.4	3.88	"	15.5		79.8	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	12.4	3.84	"	15.4		81.0	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	39.9	10.0	"	64.0		62.3	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	368	50.0	"	320		115	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	496	50.0	"	320		155	50-150	High Bias			
N-MeFOSE	140	40.0	"	160		87.4	50-150				
N-MeFOSA	19.8	4.00	"	16.0		124	50-150				
N-EtFOSE	164	40.0	"	160		103	50-150				
N-EtFOSA	16.8	4.00	"	16.0		105	50-150				
Surrogate: M3PFBS	*42.8*		"	*46.6*		*92.0*	*25-150*				
Surrogate: M5PFHxA	*46.5*		"	*50.0*		*93.0*	*25-150*				
Surrogate: M4PFHpA	*73.2*		"	*50.0*		*146*	*25-150*				
Surrogate: M3PFHxS	*49.2*		"	*47.4*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*41.5*		"	*50.0*		*82.9*	*25-150*				
Surrogate: M6PFDA	*23.0*		"	*25.0*		*91.9*	*25-150*				
Surrogate: M7PFUdA	*19.6*		"	*25.0*		*78.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*15.1*		"	*25.0*		*60.3*	*25-150*				
Surrogate: M2PFTeDA	*17.0*		"	*25.0*		*67.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*6.67*		"	*200*		*3.33*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*47.1*		"	*47.9*		*98.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*50.3*		"	*100*		*50.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*41.1*		"	*50.0*		*82.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*71.1*		"	*100*		*71.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*67.2*		"	*100*		*67.2*	*25-150*				
Surrogate: M2-6:2 FTS	*158*		"	*95.1*		*166*	*25-200*				
Surrogate: M2-8:2 FTS	*89.2*		"	*96.0*		*93.0*	*25-200*				
Surrogate: M9PFNA	*22.5*		"	*25.0*		*90.0*	*25-150*				
Surrogate: M2-4:2 FTS	*143*		"	*93.8*		*152*	*25-150*				
Surrogate: d-N-MeFOSA	*28.1*		"	*50.0*		*56.2*	*25-150*				
Surrogate: d-N-EtFOSA	*26.8*		"	*50.0*		*53.7*	*25-150*				
Surrogate: M3HFPO-DA	*196*		"	*200*		*97.9*	*25-150*				
Surrogate: d9-N-EtFOSE	*271*		"	*500*		*54.2*	*25-150*				
Surrogate: d7-N-MeFOSE	*295*		"	*500*		*59.1*	*25-150*				

Batch BE40468 - EPA 1633 Prep

Blank (BE40468-BLK1) Prepared: 05/07/2024 Analyzed: 05/08/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	*32.7*		*"*	*46.6*		*70.3*	*25-150*				
Surrogate: M5PFHxA	*40.3*		*"*	*50.0*		*80.7*	*25-150*				
Surrogate: M4PFHpA	*62.2*		*"*	*50.0*		*124*	*25-150*				
Surrogate: M3PFHxS	*41.8*		*"*	*47.4*		*88.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*39.1*		*"*	*50.0*		*78.3*	*25-150*				
Surrogate: M6PFDA	*25.4*		*"*	*25.0*		*101*	*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 BE40468 - EPA 1633 Prep											
Blank (BE40468-BLK1)								Prepared: 05/07/2024 Analyzed: 05/08/2024			
Surrogate: M7PFUdA	*19.3*		*ng/L*	*25.0*		*77.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*12.2*		"	*25.0*		*48.6*	*25-150*				
Surrogate: M2PFTeDA	*13.0*		"	*25.0*		*52.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.04*		"	*200*		*1.52*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*44.8*		"	*47.9*		*93.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*27.3*		"	*100*		*27.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*35.3*		"	*50.0*		*70.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.5*		"	*100*		*59.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*55.3*		"	*100*		*55.3*	*25-150*				
Surrogate: M2-6:2 FTS	*142*		"	*95.1*		*149*	*25-200*				
Surrogate: M2-8:2 FTS	*72.8*		"	*96.0*		*75.9*	*25-200*				
Surrogate: M9PFNA	*23.7*		"	*25.0*		*94.8*	*25-150*				
Surrogate: M2-4:2 FTS	*143*		"	*93.8*		*153*	*25-150*				
Surrogate: d-N-MeFOSA	*25.4*		"	*50.0*		*50.9*	*25-150*				
Surrogate: d-N-EtFOSA	*21.5*		"	*50.0*		*42.9*	*25-150*				
Surrogate: M3HFPO-DA	*178*		"	*200*		*88.9*	*25-150*				
Surrogate: d9-N-EtFOSE	*186*		"	*500*		*37.1*	*25-150*				
Surrogate: d7-N-MeFOSE	*242*		"	*500*		*48.3*	*25-150*				
LCS (BE40468-BS1)								Prepared: 05/07/2024 Analyzed: 05/08/2024			
Perfluorobutanesulfonic acid (PFBS)	69.4	3.54	ng/L	70.8		98.0	50-150				
Perfluorohexanoic acid (PFHxA)	79.4	4.00	"	80.0		99.3	50-150				
Perfluoroheptanoic acid (PFHpA)	51.0	4.00	"	80.0		63.7	50-150				
Perfluorohexanesulfonic acid (PFHxS)	73.3	3.66	"	73.2		100	50-150				
Perfluorooctanoic acid (PFOA)	80.0	4.00	"	80.0		100	50-150				
Perfluorooctanesulfonic acid (PFOS)	63.2	3.72	"	74.4		85.0	50-150				
Perfluorononanoic acid (PFNA)	61.6	4.00	"	80.0		77.0	50-150				
Perfluorodecanoic acid (PFDA)	86.2	4.00	"	80.0		108	50-150				
Perfluoroundecanoic acid (PFUnA)	94.3	4.00	"	80.0		118	50-150				
Perfluorododecanoic acid (PFDoA)	87.7	4.00	"	80.0		110	50-150				
Perfluorotridecanoic acid (PFTrDA)	105	4.00	"	80.0		131	50-150				
Perfluorotetradecanoic acid (PFTA)	72.9	4.00	"	80.0		91.1	50-150				
N-MeFOSAA	82.5	4.00	"	80.0		103	50-150				
N-EtFOSAA	85.1	4.00	"	80.0		106	50-150				
Perfluoropentanoic acid (PFPeA)	155	8.00	"	160		96.9	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	78.5	4.00	"	80.0		98.1	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	62.4	3.82	"	76.4		81.7	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	58.3	3.86	"	77.2		75.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	335	15.2	"	304		110	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	307	15.4	"	307		100	50-150				
Perfluoro-n-butanoic acid (PFBA)	158	16.0	"	320		49.3	50-150	Low Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	134	7.12	"	142		94.4	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	111	8.00	"	160		69.3	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	13.0	8.00	"	160		8.12	50-150	Low Bias			

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

Batch BE40468 - EPA 1633 Prep

LCS (BE40468-BS1) Prepared: 05/07/2024 Analyzed: 05/08/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluoro-5-oxahexanoic acid (PFMBA)	290	8.00	ng/L	160		182	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	67.0	3.76	"	75.2		89.0	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	327	15.0	"	300		109	50-150				
HFPO-DA (Gen-X)	135	16.0	"	160		84.2	50-150				
11CL-PF3OUdS	131	15.1	"	151		86.9	50-150				
9CL-PF3ONS	143	15.0	"	150		95.9	50-150				
ADONA	168	15.1	"	151		111	50-150				
Perfluorododecanesulfonic acid (PFDoS)	37.5	3.88	"	77.6		48.4	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	55.2	3.84	"	76.8		71.9	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	158	10.0	"	320		49.5	50-150	Low Bias			
3-Perfluoropentyl propanoic acid (FPePA)	1930	50.0	"	1600		121	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	2520	50.0	"	1600		157	50-150	High Bias			
N-MeFOSE	632	40.0	"	800		79.0	50-150				
N-MeFOSA	76.9	4.00	"	80.0		96.1	50-150				
N-EtFOSE	876	40.0	"	800		110	50-150				
N-EtFOSA	99.4	4.00	"	80.0		124	50-150				
Surrogate: M3PFBS	*24.3*		"	*46.6*		*52.1*	*25-150*				
Surrogate: M5PFHxA	*34.1*		"	*50.0*		*68.2*	*25-150*				
Surrogate: M4PFHpA	*58.0*		"	*50.0*		*116*	*25-150*				
Surrogate: M3PFHxS	*37.6*		"	*47.4*		*79.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*35.8*		"	*50.0*		*71.6*	*25-150*				
Surrogate: M6PFDA	*20.0*		"	*25.0*		*80.2*	*25-150*				
Surrogate: M7PFUdA	*16.0*		"	*25.0*		*64.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*9.70*		"	*25.0*		*38.8*	*25-150*				
Surrogate: M2PFTeDA	*3.72*		"	*25.0*		*14.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.90*		"	*200*		*0.950*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*42.9*		"	*47.9*		*89.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*16.2*		"	*100*		*16.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*31.3*		"	*50.0*		*62.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*51.1*		"	*100*		*51.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*45.3*		"	*100*		*45.3*	*25-150*				
Surrogate: M2-6:2 FTS	*150*		"	*95.1*		*158*	*25-200*				
Surrogate: M2-8:2 FTS	*80.8*		"	*96.0*		*84.2*	*25-200*				
Surrogate: M9PFNA	*20.8*		"	*25.0*		*83.1*	*25-150*				
Surrogate: M2-4:2 FTS	*113*		"	*93.8*		*120*	*25-150*				
Surrogate: d-N-MeFOSA	*12.6*		"	*50.0*		*25.3*	*25-150*				
Surrogate: d-N-EtFOSA	*9.07*		"	*50.0*		*18.1*	*25-150*				
Surrogate: M3HFPO-DA	*150*		"	*200*		*75.1*	*25-150*				
Surrogate: d9-N-EtFOSE	*98.5*		"	*500*		*19.7*	*25-150*				
Surrogate: d7-N-MeFOSE	*138*		"	*500*		*27.6*	*25-150*				

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

Batch BE40468 - EPA 1633 Prep

LCS (BE40468-BS2) Prepared: 05/07/2024 Analyzed: 05/08/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	14.3	3.54	ng/L	14.2		101	50-150				
Perfluorohexanoic acid (PFHxA)	17.9	4.00	"	16.0		112	50-150				
Perfluoroheptanoic acid (PFHpA)	11.4	4.00	"	16.0		71.1	50-150				
Perfluorohexanesulfonic acid (PFHxS)	15.8	3.66	"	14.6		108	50-150				
Perfluorooctanoic acid (PFOA)	18.7	4.00	"	16.0		117	50-150				
Perfluorooctanesulfonic acid (PFOS)	13.5	3.72	"	14.9		90.6	50-150				
Perfluorononanoic acid (PFNA)	16.3	4.00	"	16.0		102	50-150				
Perfluorodecanoic acid (PFDA)	21.3	4.00	"	16.0		133	50-150				
Perfluoroundecanoic acid (PFUnA)	21.7	4.00	"	16.0		135	50-150				
Perfluorododecanoic acid (PFDoA)	18.4	4.00	"	16.0		115	50-150				
Perfluorotridecanoic acid (PFTrDA)	32.3	4.00	"	16.0		202	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	15.5	4.00	"	16.0		96.8	50-150				
N-MeFOSAA	18.0	4.00	"	16.0		112	50-150				
N-EtFOSAA	18.2	4.00	"	16.0		114	50-150				
Perfluoropentanoic acid (PFPeA)	32.6	8.00	"	32.0		102	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	16.7	4.00	"	16.0		104	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	14.5	3.82	"	15.3		94.9	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	12.0	3.86	"	15.4		78.0	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	76.2	15.2	"	60.8		125	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	62.8	15.4	"	61.4		102	50-150				
Perfluoro-n-butanoic acid (PFBA)	59.6	16.0	"	64.0		93.1	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	29.7	7.12	"	28.5		104	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	30.1	8.00	"	32.0		94.1	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	5.53	8.00	"	32.0		17.3	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	50.7	8.00	"	32.0		158	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	15.6	3.76	"	15.0		104	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	69.3	15.0	"	60.0		116	50-150				
HFPO-DA (Gen-X)	34.6	16.0	"	32.0		108	50-150				
11CL-PF3OUdS	29.2	15.1	"	30.2		96.6	50-150				
9CL-PF3ONS	28.4	15.0	"	29.9		95.0	50-150				
ADONA	33.3	15.1	"	30.2		110	50-150				
Perfluorododecanesulfonic acid (PFDoS)	14.3	3.88	"	15.5		92.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	12.8	3.84	"	15.4		83.4	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	40.6	10.0	"	64.0		63.5	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	422	50.0	"	320		132	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	537	50.0	"	320		168	50-150	High Bias			
N-MeFOSE	155	40.0	"	160		96.7	50-150				
N-MeFOSA	17.8	4.00	"	16.0		111	50-150				
N-EtFOSE	198	40.0	"	160		124	50-150				
N-EtFOSA	19.4	4.00	"	16.0		122	50-150				
Surrogate: M3PFBS	*30.1*		"	*46.6*		*64.6*	*25-150*				
Surrogate: M5PFHxA	*34.4*		"	*50.0*		*68.7*	*25-150*				
Surrogate: M4PFHpA	*57.8*		"	*50.0*		*116*	*25-150*				
Surrogate: M3PFHxS	*38.9*		"	*47.4*		*82.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*33.7*		"	*50.0*		*67.4*	*25-150*				
Surrogate: M6PFDA	*20.8*		"	*25.0*		*83.4*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40468 - EPA 1633 Prep											
LCS (BE40468-BS2)							Prepared: 05/07/2024 Analyzed: 05/08/2024				
Surrogate: M7PFUdA	*17.6*		*ng/L*	*25.0*		*70.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*11.9*		*"*	*25.0*		*47.5*	*25-150*				
Surrogate: M2PFTeDA	*5.93*		*"*	*25.0*		*23.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.32*		*"*	*200*		*1.66*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*44.7*		*"*	*47.9*		*93.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*25.8*		*"*	*100*		*25.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.3*		*"*	*50.0*		*64.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*47.9*		*"*	*100*		*47.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*45.7*		*"*	*100*		*45.7*	*25-150*				
Surrogate: M2-6:2 FTS	*155*		*"*	*95.1*		*163*	*25-200*				
Surrogate: M2-8:2 FTS	*82.0*		*"*	*96.0*		*85.4*	*25-200*				
Surrogate: M9PFNA	*17.5*		*"*	*25.0*		*69.9*	*25-150*				
Surrogate: M2-4:2 FTS	*125*		*"*	*93.8*		*133*	*25-150*				
Surrogate: d-N-MeFOSA	*21.0*		*"*	*50.0*		*42.0*	*25-150*				
Surrogate: d-N-EtFOSA	*13.8*		*"*	*50.0*		*27.5*	*25-150*				
Surrogate: M3HFPO-DA	*157*		*"*	*200*		*78.6*	*25-150*				
Surrogate: d9-N-EtFOSE	*138*		*"*	*500*		*27.5*	*25-150*				
Surrogate: d7-N-MeFOSE	*218*		*"*	*500*		*43.5*	*25-150*				
Duplicate (BE40468-DUP1)	*Source sample: 24D1922-06 (Duplicate)						Prepared: 05/07/2024 Analyzed: 05/09/2024				
Perfluorobutanesulfonic acid (PFBS)	2.96	3.14	ng/L		2.72				8.24	30	
Perfluorohexanoic acid (PFHxA)	2.75	3.55	"		2.25				19.8	30	
Perfluoroheptanoic acid (PFHpA)	ND	3.55	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	5.43	3.25	"		5.63				3.73	30	
Perfluorooctanoic acid (PFOA)	4.22	3.55	"		4.11				2.61	30	
Perfluorooctanesulfonic acid (PFOS)	9.17	3.30	"		9.29				1.25	30	
Perfluorononanoic acid (PFNA)	1.32	3.55	"		1.16				13.2	30	
Perfluorodecanoic acid (PFDA)	ND	3.55	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	3.55	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	3.55	"		ND					30	
Perfluorotridecanoic acid (PFTrDA)	ND	3.55	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	3.55	"		ND					30	
N-MeFOSAA	ND	3.55	"		ND					30	
N-EtFOSAA	ND	3.55	"		ND					30	
Perfluoropentanoic acid (PFPeA)	2.95	7.10	"		2.76				6.80	30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	3.55	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.39	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.42	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	13.5	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	13.6	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	14.2	"		ND					30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	6.32	"		ND					30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	7.10	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	7.10	"		ND					30	

Batch BE40468 - EPA 1633 Prep

Duplicate (BE40468-DUP1) *Source sample: 24D1922-06 (Duplicate) Prepared: 05/07/2024 Analyzed: 05/09/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	7.10	ng/L		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.34	"		ND					30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	13.3	"		ND					30	
HFPO-DA (Gen-X)	ND	14.2	"		ND					30	
11CL-PF3OUdS	ND	13.4	"		ND					30	
9CL-PF3ONS	ND	13.3	"		ND					30	
ADONA	ND	13.4	"		ND					30	
Perfluorododecanesulfonic acid (PFDoS)	ND	3.44	"		ND					30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.41	"		ND					30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	8.87	"		ND					30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	44.4	"		ND					30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	44.4	"		ND					30	
N-MeFOSE	ND	35.5	"		ND					30	
N-MeFOSA	ND	3.55	"		ND					30	
N-EtFOSE	ND	35.5	"		ND					30	
N-EtFOSA	ND	3.55	"		ND					30	
Surrogate: M3PFBS	*35.5*		"	*41.3*		*85.8*	*25-150*				
Surrogate: M5PFHxA	*40.2*		"	*44.4*		*90.6*	*25-150*				
Surrogate: M4PFHpA	*61.0*		"	*44.4*		*138*	*25-150*				
Surrogate: M3PFHxS	*39.0*		"	*42.1*		*92.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*35.1*		"	*44.4*		*79.1*	*25-150*				
Surrogate: M6PFDA	*17.2*		"	*22.2*		*77.5*	*25-150*				
Surrogate: M7PFUdA	*17.6*		"	*22.2*		*79.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*16.4*		"	*22.2*		*73.8*	*25-150*				
Surrogate: M2PFTeDA	*22.9*		"	*22.2*		*103*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*21.9*		"	*177*		*12.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*30.2*		"	*42.5*		*71.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.5*		"	*88.7*		*80.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*37.4*		"	*44.4*		*84.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*55.6*		"	*88.7*		*62.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*58.5*		"	*88.7*		*65.9*	*25-150*				
Surrogate: M2-6:2 FTS	*126*		"	*84.4*		*149*	*25-200*				
Surrogate: M2-8:2 FTS	*62.1*		"	*85.2*		*72.9*	*25-200*				
Surrogate: M9PFNA	*17.7*		"	*22.2*		*80.0*	*25-150*				
Surrogate: M2-4:2 FTS	*216*		"	*83.2*		*260*	*25-150*				
Surrogate: d-N-MeFOSA	*42.3*		"	*44.4*		*95.4*	*25-150*				
Surrogate: d-N-EtFOSA	*44.3*		"	*44.4*		*99.8*	*25-150*				
Surrogate: M3HFPO-DA	*167*		"	*177*		*94.2*	*25-150*				
Surrogate: d9-N-EtFOSE	*374*		"	*444*		*84.2*	*25-150*				
Surrogate: d7-N-MeFOSE	*378*		"	*444*		*85.1*	*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 BE40048 - Preparation for GC Analysis											
Blank (BE40048-BLK1)							Prepared & Analyzed: 05/01/2024				
Ethylene Glycol	ND	10.0	mg/L								
Propylene Glycol	ND	10.0	"								
Surrogate: 1,4-Butanediol	*ND*		"				*30-130*				
Duplicate (BE40048-DUP1)	*Source sample: 24D1634-01 (Duplicate)						Prepared & Analyzed: 05/01/2024				
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
24D1733-02	FMW-39	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1733-03	FMW-26	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1733-04	DPW MW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1733-05	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1733-06	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-L	The CCV recovery for this PFAS compound was below 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 Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This 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.

YORK Project No. 24D1733

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

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: WSP USA	Company:	Company:
Address: 500 Summit Lake Dr Valhalla NY	Address: Same	Address: Same
Phone.: 914 329 1392	Phone.:	Phone.:
Contact: John Benvegna	Contact:	Contact:
E-mail: John.Benvegna@wsp.com	E-mail:	E-mail:

YOUR Project Number: 31402218.000

YOUR Project Name: Westchester County Airport (WCA)

YOUR PO#:

Turn-Around Time
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- RUSH - Five Day ☐
- Standard (6-9 Day) ☒
- PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Mike Reiff

Samples Collected by: (print AND sign your name)

Matrix Codes
- S - soil / solid
- [✓ GW - groundwater]
- DW - drinking water
- WW - wastewater
- O - Oil
- Other

Samples From
- New York ☒
- New Jersey ☐
- Connecticut ☐
- Pennsylvania ☐
- Other:

Report / EDD Type (circle selections)
- Summary Report
- QA Report
- CMDP
- Standard Excel EDD
- [✓ NY ASP B Package]
- CT RCP
- CT RCP DQA/DUE
- NJDEP Reduced Deliverables
- Other:
- EQuIS (Standard)
- [✓ NYSDEC EQuIS]
- NJDKQP
- NJDEP SRP HazSite

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled		Analyses Requested			Container Type			No.
				PFAS 1633	8260 Full list	Glycols	2P	3V	2V	
MW-58D	GW	4/25/24	1030	X			X			2
FMW-39	↓	↓	1115	X	X	X	X	X	X	7
FMW-26	↓	↓	1200		X			X		3
DPW MW-3	↓	↓	1235	X	X		X	X		5
Field Blank	DI	↓	1245	X	X		X	X		5
Trip Blank	DI			X	X		X	X		5

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction
- Field Filtered ☐
- Lab to Filter ☐

1. Samples Relinquished by / Company	Date/Time 4/25/13 1300	1. Samples Received by / Company Marcel York	Date/Time 4/25/24 11:00	2. Samples Relinquished by / Company Marcel York	Date/Time 4/26/24 1601
2. Samples Received by / Company	Date/Time 04/25/24 4:24	3. Samples Relinquished by / Company	Date/Time 04/25/24 1830	3. Samples Received by / Company Karen Duran	Date/Time 4/26/24 1846
4. Samples Relinquished by / Company Karen Duran	Date/Time 4/26/24 20:35	4. Samples Received by / Company	Date/Time	Samples Received In LAB by CDA 4/26/24	Date/Time 20:35 Temperature 3.5 Degrees C

Technical Report

prepared for:

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

Report Date: 05/09/2024
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 24D1820

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 STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 05/09/2024
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 24D1820

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 April 29, 2024 and listed below. The project was identified as your project: **31402218.000 Westchester County Airport (WCA)**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24D1820-01	MW-59D	Ground Water	04/26/2024	04/29/2024
24D1820-02	FMW-24	Ground Water	04/26/2024	04/29/2024
24D1820-03	FMW-2R	Ground Water	04/26/2024	04/29/2024
24D1820-04	FMW-35	Ground Water	04/26/2024	04/29/2024
24D1820-05	FMW-40	Ground Water	04/26/2024	04/29/2024
24D1820-06	FMW-31	Ground Water	04/26/2024	04/29/2024
24D1820-07	MW-16	Ground Water	04/26/2024	04/29/2024
24D1820-08	FMW-23	Ground Water	04/26/2024	04/29/2024
24D1820-09	MW-53	Ground Water	04/26/2024	04/29/2024
24D1820-10	Field Blank	Ground Water	04/26/2024	04/29/2024

<u>General Notes</u> for York Project (SDG) No.: 24D1820

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 **Date:** 05/09/2024

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **MW-59D** **York Sample ID:** **24D1820-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 10:10 am	04/29/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 19:18	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	5.0	12	25	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 19:18	SCB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 19:18	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
123-91-1	1,4-Dioxane	ND		ug/L	1000	1000	25	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 19:18	SCB
78-93-3	2-Butanone	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
591-78-6	2-Hexanone	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB

Sample Information

Client Sample ID: **MW-59D**

York Sample ID: **24D1820-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 10:10 am	04/29/2024

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
108-10-1	4-Methyl-2-pentanone	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-64-1	Acetone	ND		ug/L	25	50	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-02-8	Acrolein	ND	ICVE	ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-13-1	Acrylonitrile	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	Benzene	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-97-5	Bromochloromethane	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-27-4	Bromodichloromethane	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-25-2	Bromoform	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-83-9	Bromomethane	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-15-0	Carbon disulfide	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
56-23-5	Carbon tetrachloride	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-90-7	Chlorobenzene	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-00-3	Chloroethane	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-66-3	Chloroform	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-87-3	Chloromethane	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-82-7	Cyclohexane	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	Ethyl Benzene	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-68-3	Hexachlorobutadiene	ND		ug/L	5.0	12	25	EPA 8260D	05/04/2024 08:00	05/04/2024 19:18	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: **MW-59D**

York Sample ID: **24D1820-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 10:10 am	04/29/2024

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
98-82-8	Isopropylbenzene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
79-20-9	Methyl acetate	ND		ug/L	5.0	12	25	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 19:18	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
108-87-2	Methylcyclohexane	ND		ug/L	5.0	12	25	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 19:18	SCB
75-09-2	**Methylene chloride**	**100**		ug/L	25	50	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/04/2024 08:00	05/04/2024 19:18	SCB
104-51-8	n-Butylbenzene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
103-65-1	n-Propylbenzene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
95-47-6	o-Xylene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/04/2024 08:00	05/04/2024 19:18	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	12	25	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/04/2024 08:00	05/04/2024 19:18	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
100-42-5	Styrene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	12	25	25	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/04/2024 08:00	05/04/2024 19:18	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
108-88-3	Toluene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
79-01-6	Trichloroethylene	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
75-01-4	Vinyl Chloride	ND		ug/L	5.0	12	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB
1330-20-7	Xylenes, Total	ND		ug/L	15	38	25	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/04/2024 08:00	05/04/2024 19:18	SCB

Sample Information

Client Sample ID: MW-59D

York Sample ID: 24D1820-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 10:10 am	04/29/2024

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

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.6 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*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	0.488	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**3.18**		ng/L	0.363	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**2.49**	PF-CC V-L	ng/L	0.737	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.706	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**1.32**	J	ng/L	0.436	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.852	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.540	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.779	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.17	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.914	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.768	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.717	2.08	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.820	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.07	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**2.81**	J	ng/L	0.239	4.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.914	2.08	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**0.982**	J	ng/L	0.945	1.98	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER

Sample Information

Client Sample ID: **MW-59D** **York Sample ID:** **24D1820-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 10:10 am	04/29/2024

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	1.37	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**1.48**	J	ng/L	1.10	7.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
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	05/06/2024 08:27	05/09/2024 14:45	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.343	8.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.519	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 14:45	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.22	4.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 14:45	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.260	4.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 14:45	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.384	4.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 14:45	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.789	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.86	7.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.35	8.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.43	7.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.727	7.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
919005-14-4	ADONA	ND		ng/L	0.550	7.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.966	2.01	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 14:45	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.893	1.99	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 14:45	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CC V-L	ng/L	2.11	5.19	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 14:45	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	PF-CC V-L	ng/L	7.61	26.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 14:45	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.83	26.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 14:45	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.14	20.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 14:45	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.64	2.08	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 14:45	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.14	20.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 14:45	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.87	2.08	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 14:45	ER

Sample Information

Client Sample ID: **MW-59D** **York Sample ID:** **24D1820-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 10:10 am	04/29/2024

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**						
	Surrogate: M3PFBS	*82.1 %*			*25-150*						
	Surrogate: M5PFHxA	*90.5 %*			*25-150*						
	Surrogate: M4PFHpA	*97.7 %*			*25-150*						
	Surrogate: M3PFHxS	*87.2 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*75.1 %*			*25-150*						
	Surrogate: M6PFDA	*82.2 %*			*25-150*						
	Surrogate: M7PFUdA	*65.4 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*57.3 %*			*25-150*						
	Surrogate: M2PFTeDA	*46.9 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.98 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*104 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.4 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*88.7 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*83.0 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*87.0 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*505 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*161 %*			*25-200*						
	Surrogate: M9PFNA	*84.7 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*548 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*63.7 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*51.7 %*			*25-150*						
	Surrogate: M3HFPO-DA	*56.1 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*39.8 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*60.6 %*			*25-150*						

Sample Information

Client Sample ID: **FMW-24** **York Sample ID:** **24D1820-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 10:50 am	04/29/2024

PFAS, EPA 1633 Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: **FMW-24**

York Sample ID: **24D1820-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 10:50 am	04/29/2024

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)**	**2.33**		ng/L	0.490	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**3.46**		ng/L	0.365	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**2.90**	PF-CCV-L	ng/L	0.739	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**3.42**		ng/L	0.708	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**18.3**		ng/L	0.437	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.854	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**0.628**	J	ng/L	0.542	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.781	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.18	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.917	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.771	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.719	2.08	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.823	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.07	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**3.24**	J	ng/L	0.240	4.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.917	2.08	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.948	1.99	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.37	2.01	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**3.72**	J	ng/L	1.10	7.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.14	8.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.344	8.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.521	3.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 21:42	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.23	4.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 21:42	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS-L	ng/L	0.260	4.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 21:42	ER

Sample Information

Client Sample ID: **FMW-24**

York Sample ID: **24D1820-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 10:50 am	04/29/2024

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	0.385	4.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 21:42	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.792	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.86	7.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.36	8.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.44	7.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.729	7.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
919005-14-4	ADONA	ND		ng/L	0.552	7.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-LCS-L	ng/L	0.969	2.02	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:42	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.896	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:42	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.11	5.21	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:42	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.63	26.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:42	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.86	26.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:42	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.16	20.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:42	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.65	2.08	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:42	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.16	20.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:42	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.87	2.08	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:42	ER

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.6 %*	*25-150*
Surrogate: M5PFHxA	*89.3 %*	*25-150*
Surrogate: M4PFHpA	*118 %*	*25-150*
Surrogate: M3PFHxS	*89.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.4 %*	*25-150*
Surrogate: M6PFDA	*80.0 %*	*25-150*
Surrogate: M7PFUdA	*70.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*47.3 %*	*25-150*
Surrogate: M2PFTeDA	*34.6 %*	*10-150*

Sample Information

Client Sample ID: **FMW-24** **York Sample ID:** **24D1820-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 10:50 am	04/29/2024

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: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*7.17 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*89.3 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.3 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*79.8 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*57.6 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*54.8 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*177 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*82.6 %*			*25-200*						
	Surrogate: M9PFNA	*81.6 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*181 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*40.2 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*35.3 %*			*25-150*						
	Surrogate: M3HFPO-DA	*96.1 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*35.1 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*38.6 %*			*25-150*						

Sample Information

Client Sample ID: **FMW-2R** **York Sample ID:** **24D1820-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 11:20 am	04/29/2024

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)**	**1.41**	J	ng/L	0.561	2.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**4.20**		ng/L	0.418	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**2.67**	PF-CCV-L	ng/L	0.848	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**2.01**	J	ng/L	0.812	2.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**10.3**		ng/L	0.502	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER

Sample Information

Client Sample ID: **FMW-2R**

York Sample ID: **24D1820-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 11:20 am	04/29/2024

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)**	**3.62**		ng/L	0.979	2.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**2.61**		ng/L	0.621	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.896	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.35	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.05	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
72629-94-8	**Perfluorotridecanoic acid (PFTrDA)**	**1.15**	J	ng/L	0.884	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.824	2.39	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.944	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.23	2.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**5.40**		ng/L	0.275	4.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.05	2.39	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.09	2.28	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.58	2.31	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.27	9.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.45	9.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.394	9.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.597	4.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 21:58	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.56	4.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 21:58	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS-L	ng/L	0.299	4.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 21:58	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.442	4.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 21:58	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.908	2.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.14	8.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.86	9.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER

Sample Information

Client Sample ID: **FMW-2R**

York Sample ID: **24D1820-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 11:20 am	04/29/2024

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	1.65	9.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.836	8.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
919005-14-4	ADONA	ND		ng/L	0.633	9.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-LCS-L	ng/L	1.11	2.32	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:58	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.03	2.29	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 21:58	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.42	5.97	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:58	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	8.75	29.9	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:58	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	11.3	29.9	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:58	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.77	23.9	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:58	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.89	2.39	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:58	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.77	23.9	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:58	ER
4151-50-2	* N-EtFOSA	ND		ng/L	2.15	2.39	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 21:58	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*91.1 %*		*25-150*
Surrogate: M5PFHxA	*87.3 %*		*25-150*
Surrogate: M4PFHpA	*121 %*		*25-150*
Surrogate: M3PFHxS	*92.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*73.0 %*		*25-150*
Surrogate: M6PFDA	*78.7 %*		*25-150*
Surrogate: M7PFUdA	*63.3 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*38.0 %*		*25-150*
Surrogate: M2PFTeDA	*17.5 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*12.0 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*86.9 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.1 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*78.7 %*		*10-150*

Sample Information

Client Sample ID: **FMW-2R** **York Sample ID:** **24D1820-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 11:20 am	04/29/2024

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: d3-N-MeFOSAA	*60.5 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*47.2 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*170 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*83.5 %*			*25-200*						
	Surrogate: M9PFNA	*81.2 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*194 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*44.7 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*25.1 %*			*25-150*						
	Surrogate: M3HFPO-DA	*95.4 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*16.7 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*24.3 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID: **FMW-35** **York Sample ID:** **24D1820-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 12:10 pm	04/29/2024

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)**	**4.83**		ng/L	0.472	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**5.91**		ng/L	0.352	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**2.30**	PF-CCV-L	ng/L	0.713	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**65.3**		ng/L	0.683	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**19.0**		ng/L	0.422	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**98.4**		ng/L	0.824	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**2.25**		ng/L	0.523	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
335-76-2	**Perfluorodecanoic acid (PFDA)**	**1.09**	J	ng/L	0.754	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.14	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER

Sample Information

Client Sample ID: **FMW-35**

York Sample ID: **24D1820-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 12:10 pm	04/29/2024

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	0.884	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.744	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.693	2.01	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.794	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**5.92**		ng/L	0.231	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.884	2.01	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**1.73**	J	ng/L	0.914	1.92	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.33	1.94	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**3.68**	J	ng/L	1.07	7.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.06	7.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**11.0**		ng/L	0.332	8.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.502	3.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 15:01	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.15	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 15:01	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.251	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 15:01	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.372	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 15:01	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**4.35**		ng/L	0.764	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.80	7.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.25	8.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.39	7.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.703	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
919005-14-4	ADONA	ND		ng/L	0.533	7.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.934	1.95	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:01	ER

Sample Information

Client Sample ID: **FMW-35**

York Sample ID: **24D1820-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 12:10 pm	04/29/2024

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	0.864	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:01	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CC V-L	ng/L	2.04	5.02	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:01	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	PF-CC V-L	ng/L	7.37	25.1	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:01	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.52	25.1	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:01	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.01	20.1	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:01	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.59	2.01	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:01	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.01	20.1	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:01	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.81	2.01	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:01	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*104 %*		*25-150*
Surrogate: M5PFHxA	*93.9 %*		*25-150*
Surrogate: M4PFHpA	*147 %*		*25-150*
Surrogate: M3PFHxS	*96.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*71.0 %*		*25-150*
Surrogate: M6PFDA	*91.8 %*		*25-150*
Surrogate: M7PFUdA	*90.9 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*75.1 %*		*25-150*
Surrogate: M2PFTeDA	*111 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*81.8 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*94.8 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*97.7 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*91.1 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*85.9 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*92.2 %*		*25-150*
Surrogate: M2-6:2 FTS	*142 %*		*25-200*
Surrogate: M2-8:2 FTS	*98.3 %*		*25-200*
Surrogate: M9PFNA	*94.2 %*		*25-150*
Surrogate: M2-4:2 FTS	*290 %*	PFSu-H	*25-150*
Surrogate: d-N-MeFOSA	*62.2 %*		*25-150*

Sample Information

Client Sample ID: **FMW-35** **York Sample ID:** **24D1820-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 12:10 pm	04/29/2024

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: d-N-EtFOSA	*62.9 %*			*25-150*						
	Surrogate: M3HFPO-DA	*71.2 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*97.2 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*109 %*			*25-150*						

Sample Information

Client Sample ID: **FMW-40** **York Sample ID:** **24D1820-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 12:30 pm	04/29/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **FMW-40** **York Sample ID:** **24D1820-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 12:30 pm	04/29/2024

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
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:30	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
67-64-1	Acetone	ND	CCVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
107-02-8	Acrolein	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:30	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB

Sample Information

Client Sample ID: **FMW-40**　　**York Sample ID:** **24D1820-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 12:30 pm	04/29/2024

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
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:30	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **FMW-40** | **York Sample ID:** **24D1820-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 12:30 pm	04/29/2024

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
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:30	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*93.1 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*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)**	**9.25**	J	ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**39.5**		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**22.8**	PF-CC V-L	ng/L	7.09	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**309**		ng/L	6.79	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**48.8**		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**689**		ng/L	8.19	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**197**		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.49	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER

Sample Information

Client Sample ID: **FMW-40** **York Sample ID:** **24D1820-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 12:30 pm	04/29/2024

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)**	**12.1**	J	ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.79	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	7.39	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.89	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
2355-31-9	N-MeFOSAA	ND		ng/L	7.89	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**49.6**		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.79	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	9.09	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**15.4**	J	ng/L	10.6	75.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	20.5	76.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	3.30	79.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 22:14	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 22:14	ER
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	05/06/2024 08:27	05/07/2024 22:14	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 22:14	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**12.1**	J	ng/L	7.59	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	17.9	74.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	79.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	13.8	75.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	6.99	74.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
919005-14-4	ADONA	ND		ng/L	5.30	75.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER

Sample Information

Client Sample ID: **FMW-40** **York Sample ID:** **24D1820-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 12:30 pm	04/29/2024

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	PF-LCS-L	ng/L	9.29	19.4	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:14	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.59	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:14	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:14	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.2	250	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:14	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.6	250	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:14	ER
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:14	ER
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:14	ER
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:14	ER
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:14	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*90.8 %*		*25-150*
Surrogate: M5PFHxA	*95.7 %*		*25-150*
Surrogate: M4PFHpA	*131 %*		*25-150*
Surrogate: M3PFHxS	*91.6 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.8 %*		*25-150*
Surrogate: M6PFDA	*85.5 %*		*25-150*
Surrogate: M7PFUdA	*75.5 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*52.9 %*		*25-150*
Surrogate: M2PFTeDA	*31.8 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.38 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*105 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*48.8 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*82.3 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*65.6 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*58.7 %*		*25-150*
Surrogate: M2-6:2 FTS	*167 %*		*25-200*
Surrogate: M2-8:2 FTS	*84.5 %*		*25-200*
Surrogate: M9PFNA	*90.0 %*		*25-150*

Sample Information

Client Sample ID: **FMW-40** **York Sample ID:** **24D1820-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 12:30 pm	04/29/2024

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: M2-4:2 FTS	*163 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*58.5 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*42.5 %*			*25-150*						
	Surrogate: M3HFPO-DA	*98.8 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*29.0 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*39.1 %*			*25-150*						

Sample Information

Client Sample ID: **FMW-31** **York Sample ID:** **24D1820-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 1:00 pm	04/29/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 00:37	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 00:37	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 00:37	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 00:37	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 00:37	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 00:37	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 00:37	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 00:37	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 00:37	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 00:37	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
95-63-6	**1,2,4-Trimethylbenzene**	**1.0**		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 00:37	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 00:37	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: FMW-31

York Sample ID: 24D1820-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 1:00 pm	04/29/2024

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
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
108-67-8	**1,3,5-Trimethylbenzene**	**0.49**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 00:37	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 00:37	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
67-64-1	**Acetone**	**1.5**	CCVE, J	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 00:37	SCB
107-02-8	Acrolein	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 00:37	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
75-15-0	**Carbon disulfide**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 00:37	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB

Sample Information

Client Sample ID: **FMW-31**

York Sample ID: **24D1820-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 1:00 pm	04/29/2024

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
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
156-59-2	**cis-1,2-Dichloroethylene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 00:37	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 00:37	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 00:37	SCB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 00:37	SCB
100-41-4	**Ethyl Benzene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 00:37	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 00:37	SCB
98-82-8	**Isopropylbenzene**	**3.6**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 00:37	SCB
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 00:37	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 00:37	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
104-51-8	**n-Butylbenzene**	**0.39**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 00:37	SCB
103-65-1	**n-Propylbenzene**	**5.0**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 00:37	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/02/2024 04:00	05/03/2024 00:37	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/02/2024 04:00	05/03/2024 00:37	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
135-98-8	**sec-Butylbenzene**	**0.98**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 00:37	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 00:37	SCB

Sample Information

Client Sample ID: **FMW-31** **York Sample ID:** **24D1820-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 1:00 pm	04/29/2024

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
98-06-6	**tert-Butylbenzene**	**1.1**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 00:37	SCB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB
75-01-4	**Vinyl Chloride**	**0.41**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 00:37	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 00:37	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*93.6 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*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)**	**58.5**		ng/L	9.40	35.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**181**		ng/L	7.00	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**54.1**	PF-CC V-L	ng/L	14.2	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**1130**		ng/L	13.6	36.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**89.5**		ng/L	8.40	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**5050**		ng/L	16.4	37.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER

Sample Information

Client Sample ID: **FMW-31**

York Sample ID: **24D1820-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 1:00 pm	04/29/2024

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
375-95-1	**Perfluorononanoic acid (PFNA)**	**81.2**		ng/L	10.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	15.0	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	22.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	17.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	14.8	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	13.8	40.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
2355-31-9	N-MeFOSAA	ND		ng/L	15.8	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
2991-50-6	N-EtFOSAA	ND		ng/L	20.6	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**181**		ng/L	4.60	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	17.6	40.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**102**		ng/L	18.2	38.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	26.4	38.6	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**196**		ng/L	21.2	152	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	41.0	154	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	6.60	160	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	10.0	71.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 22:30	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	42.8	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 22:30	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS-L	ng/L	5.00	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 22:30	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	7.40	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 22:30	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**131**		ng/L	15.2	37.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	35.8	150	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	64.6	160	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	27.6	151	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER

Sample Information

Client Sample ID: **FMW-31** **York Sample ID:** **24D1820-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 1:00 pm	04/29/2024

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
756426-58-1	9CL-PF3ONS	ND		ng/L	14.0	150	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
919005-14-4	ADONA	ND		ng/L	10.6	151	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-LCS-L	ng/L	18.6	38.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:30	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	17.2	38.4	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:30	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	40.6	100	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:30	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	147	500	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:30	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	189	500	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:30	ER
24448-09-7	* N-MeFOSE	ND		ng/L	79.8	400	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:30	ER
31506-32-8	* N-MeFOSA	ND		ng/L	31.6	40.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:30	ER
1691-99-2	* N-EtFOSE	ND		ng/L	79.8	400	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:30	ER
4151-50-2	* N-EtFOSA	ND		ng/L	36.0	40.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:30	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*95.9 %*		*25-150*
Surrogate: M5PFHxA	*87.7 %*		*25-150*
Surrogate: M4PFHpA	*120 %*		*25-150*
Surrogate: M3PFHxS	*92.2 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*78.9 %*		*25-150*
Surrogate: M6PFDA	*76.5 %*		*25-150*
Surrogate: M7PFUdA	*72.8 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*62.0 %*		*25-150*
Surrogate: M2PFTeDA	*47.0 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.66 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*93.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*48.6 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*89.5 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*73.5 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*60.9 %*		*25-150*

Sample Information

Client Sample ID: **FMW-31** **York Sample ID:** **24D1820-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 1:00 pm	04/29/2024

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: M2-6:2 FTS	*164 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*108 %*			*25-200*						
	Surrogate: M9PFNA	*86.0 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*207 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*70.0 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*47.5 %*			*25-150*						
	Surrogate: M3HFPO-DA	*93.2 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*45.8 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*58.6 %*			*25-150*						

Sample Information

Client Sample ID: **MW-16** **York Sample ID:** **24D1820-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 1:40 pm	04/29/2024

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)**	**1.56**	J	ng/L	0.462	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**2.45**		ng/L	0.344	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**1.17**	PF-CC V-L, J	ng/L	0.698	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**2.60**		ng/L	0.669	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**3.86**		ng/L	0.413	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**56.3**		ng/L	0.806	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**3.07**		ng/L	0.511	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
335-76-2	**Perfluorodecanoic acid (PFDA)**	**1.42**	J	ng/L	0.737	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.11	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.865	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER

Sample Information

Client Sample ID: MW-16 **York Sample ID:** 24D1820-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 1:40 pm	04/29/2024

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 (PFTrDA)	ND		ng/L	0.728	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.678	1.97	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.777	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.01	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**1.85**	J	ng/L	0.226	3.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
754-91-6	*** Perfluoro-1-octanesulfonamide (FOSA)**	**1.83**	J	ng/L	0.865	1.97	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.895	1.88	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.30	1.90	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.04	7.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.02	7.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**5.42**	J	ng/L	0.324	7.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.492	3.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 15:18	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.10	3.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 15:18	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.246	3.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 15:18	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.364	3.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 15:18	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.747	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.76	7.37	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.18	7.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.36	7.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.688	7.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
919005-14-4	ADONA	ND		ng/L	0.521	7.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.914	1.91	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:18	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.846	1.89	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:18	ER

Sample Information

Client Sample ID: **MW-16** **York Sample ID:** **24D1820-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 1:40 pm	04/29/2024

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	PF-CCV-L	ng/L	2.00	4.92	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:18	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	PF-CCV-L	ng/L	7.21	24.6	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:18	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.31	24.6	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:18	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.92	19.7	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:18	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.55	1.97	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:18	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.92	19.7	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:18	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.77	1.97	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:18	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*91.8 %*		*25-150*
Surrogate: M5PFHxA	*90.3 %*		*25-150*
Surrogate: M4PFHpA	*135 %*		*25-150*
Surrogate: M3PFHxS	*91.9 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*68.3 %*		*25-150*
Surrogate: M6PFDA	*84.9 %*		*25-150*
Surrogate: M7PFUdA	*85.9 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*83.6 %*		*25-150*
Surrogate: M2PFTeDA	*117 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*75.6 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*83.6 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*98.4 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*91.1 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*74.6 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*105 %*		*25-150*
Surrogate: M2-6:2 FTS	*251 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*88.3 %*		*25-200*
Surrogate: M9PFNA	*79.5 %*		*25-150*
Surrogate: M2-4:2 FTS	*491 %*	PFSu-H	*25-150*
Surrogate: d-N-MeFOSA	*59.3 %*		*25-150*
Surrogate: d-N-EtFOSA	*73.5 %*		*25-150*
Surrogate: M3HFPO-DA	*72.7 %*		*25-150*

Sample Information

Client Sample ID: **MW-16** **York Sample ID:** **24D1820-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 1:40 pm	04/29/2024

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: d9-N-EtFOSE	*90.3 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*102 %*			*25-150*						

Sample Information

Client Sample ID: **FMW-23** **York Sample ID:** **24D1820-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 2:30 pm	04/29/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:03	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:03	SCB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:03	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB

Sample Information

Client Sample ID: FMW-23 **York Sample ID:** 24D1820-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 2:30 pm	04/29/2024

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
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:03	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
67-64-1	Acetone	ND	CCVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
107-02-8	Acrolein	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:03	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB

Sample Information

Client Sample ID: **FMW-23** | **York Sample ID:** **24D1820-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 2:30 pm	04/29/2024

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
156-59-2	**cis-1,2-Dichloroethylene**	**98**		ug/L	2.0	5.0	10	EPA 8260D	05/03/2024 08:00	05/03/2024 18:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:03	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **FMW-23** **York Sample ID:** **24D1820-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 2:30 pm	04/29/2024

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
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
156-60-5	**trans-1,2-Dichloroethylene**	**0.75**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 01:03	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
79-01-6	**Trichloroethylene**	**0.49**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 01:03	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:03	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*93.6 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*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)**	**22.0**		ng/L	4.70	17.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**190**		ng/L	3.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**103**	PF-CCV-L	ng/L	7.10	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**265**		ng/L	6.80	18.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**88.1**		ng/L	4.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**352**		ng/L	8.20	18.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**373**		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
335-76-2	**Perfluorodecanoic acid (PFDA)**	**16.5**	J	ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER

Sample Information

Client Sample ID: FMW-23 **York Sample ID:** 24D1820-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 2:30 pm	04/29/2024

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)**	**13.3**	J	ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**410**		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**26.7**	J	ng/L	10.6	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
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	05/06/2024 08:27	05/07/2024 22:46	ER
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	05/06/2024 08:27	05/07/2024 22:46	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 22:46	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 22:46	ER
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	05/06/2024 08:27	05/07/2024 22:46	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 22:46	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**28.4**		ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
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	05/06/2024 08:27	05/07/2024 22:46	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER

Sample Information

Client Sample ID: **FMW-23**

York Sample ID: **24D1820-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 2:30 pm	04/29/2024

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)**	**14.2**	PF-LCS -L, J	ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:46	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 22:46	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:46	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:46	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:46	ER
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:46	ER
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:46	ER
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:46	ER
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 22:46	ER

Surrogate Recoveries	Result	Flag	Acceptance Range
Surrogate: M3PFBS	*97.3 %*		*25-150*
Surrogate: M5PFHxA	*93.9 %*		*25-150*
Surrogate: M4PFHpA	*129 %*		*25-150*
Surrogate: M3PFHxS	*102 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.8 %*		*25-150*
Surrogate: M6PFDA	*92.9 %*		*25-150*
Surrogate: M7PFUdA	*78.4 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*57.7 %*		*25-150*
Surrogate: M2PFTeDA	*55.8 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.53 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*97.5 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*45.9 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*79.1 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*73.2 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*68.0 %*		*25-150*
Surrogate: M2-6:2 FTS	*180 %*		*25-200*
Surrogate: M2-8:2 FTS	*102 %*		*25-200*
Surrogate: M9PFNA	*94.3 %*		*25-150*

Sample Information

Client Sample ID: **FMW-23** **York Sample ID:** **24D1820-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 2:30 pm	04/29/2024

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: M2-4:2 FTS	*223 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*71.0 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*51.8 %*			*25-150*						
	Surrogate: M3HFPO-DA	*97.6 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*42.0 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*51.4 %*			*25-150*						

Sample Information

Client Sample ID: **MW-53** **York Sample ID:** **24D1820-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:30 pm	04/29/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: MW-53

York Sample ID: 24D1820-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:30 pm	04/29/2024

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
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-64-1	**Acetone**	**1.2**	J	ug/L	1.0	2.0	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
107-02-8	**Acrolein**	**0.86**	CCVE, ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-15-0	**Carbon disulfide**	**1.2**		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-00-3	Chloroethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **MW-53** **York Sample ID:** **24D1820-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:30 pm	04/29/2024

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
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/07/2024 08:00	05/07/2024 12:22	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/07/2024 08:00	05/07/2024 12:22	SCB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/07/2024 08:00	05/07/2024 12:22	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/07/2024 08:00	05/07/2024 12:22	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/07/2024 08:00	05/07/2024 12:22	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/07/2024 08:00	05/07/2024 12:22	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/07/2024 08:00	05/07/2024 12:22	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/07/2024 08:00	05/07/2024 12:22	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/07/2024 08:00	05/07/2024 12:22	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/07/2024 08:00	05/07/2024 12:22	SCB

Sample Information

Client Sample ID: MW-53 **York Sample ID:** 24D1820-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:30 pm	04/29/2024

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
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D	05/07/2024 08:00	05/07/2024 12:22	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.9 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*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)**	**13.7**	J	ng/L	4.70	17.7	1	EPA 1633 Draft 3	05/06/2024 08:27	05/07/2024 23:35	ER
								Certifications:	NELAC-NY12058,NJDEP-NY037		
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**84.0**		ng/L	3.50	20.0	1	EPA 1633 Draft 3	05/06/2024 08:27	05/07/2024 23:35	ER
								Certifications:	NELAC-NY12058,NJDEP-NY037		
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**48.5**	PF-CCV-L	ng/L	7.10	20.0	1	EPA 1633 Draft 3	05/06/2024 08:27	05/07/2024 23:35	ER
								Certifications:	NELAC-NY12058,NJDEP-NY037		
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**303**		ng/L	6.80	18.3	1	EPA 1633 Draft 3	05/06/2024 08:27	05/07/2024 23:35	ER
								Certifications:	NELAC-NY12058,NJDEP-NY037		
335-67-1	**Perfluorooctanoic acid (PFOA)**	**116**		ng/L	4.20	20.0	1	EPA 1633 Draft 3	05/06/2024 08:27	05/07/2024 23:35	ER
								Certifications:	NELAC-NY12058,NJDEP-NY037		
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**618**		ng/L	8.20	18.6	1	EPA 1633 Draft 3	05/06/2024 08:27	05/07/2024 23:35	ER
								Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MW-53 **York Sample ID:** 24D1820-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:30 pm	04/29/2024

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
375-95-1	**Perfluorononanoic acid (PFNA)**	**49.4**		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	7.50	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	11.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	7.40	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.90	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
2355-31-9	N-MeFOSAA	ND		ng/L	7.90	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
2991-50-6	N-EtFOSAA	ND		ng/L	10.3	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**186**		ng/L	2.30	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	8.80	20.0	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	9.10	19.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	13.2	19.3	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
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	05/06/2024 08:27	05/07/2024 23:35	ER
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	05/06/2024 08:27	05/07/2024 23:35	ER
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	05/06/2024 08:27	05/07/2024 23:35	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	5.00	35.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 23:35	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	21.4	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 23:35	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	2.50	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 23:35	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.70	40.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/07/2024 23:35	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**14.5**	J	ng/L	7.60	18.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
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	05/06/2024 08:27	05/07/2024 23:35	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	32.3	80.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	13.8	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER

Sample Information

Client Sample ID: MW-53

York Sample ID: 24D1820-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:30 pm	04/29/2024

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
756426-58-1	9CL-PF3ONS	ND		ng/L	7.00	74.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
919005-14-4	ADONA	ND		ng/L	5.30	75.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	9.30	19.4	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 23:35	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	8.60	19.2	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/07/2024 23:35	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	20.3	50.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 23:35	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	73.3	250	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 23:35	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	94.7	250	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 23:35	ER
24448-09-7	* N-MeFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 23:35	ER
31506-32-8	* N-MeFOSA	ND		ng/L	15.8	20.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 23:35	ER
1691-99-2	* N-EtFOSE	ND		ng/L	39.9	200	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 23:35	ER
4151-50-2	* N-EtFOSA	ND		ng/L	18.0	20.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/07/2024 23:35	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*97.7 %*		*25-150*
Surrogate: M5PFHxA	*91.9 %*		*25-150*
Surrogate: M4PFHpA	*132 %*		*25-150*
Surrogate: M3PFHxS	*102 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.7 %*		*25-150*
Surrogate: M6PFDA	*85.0 %*		*25-150*
Surrogate: M7PFUdA	*60.1 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*35.3 %*		*25-150*
Surrogate: M2PFTeDA	*19.9 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.68 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*90.0 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*52.1 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*80.9 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*59.8 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*46.3 %*		*25-150*

Sample Information

Client Sample ID: **MW-53**

York Sample ID: **24D1820-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:30 pm	04/29/2024

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: M2-6:2 FTS	*174 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*81.1 %*			*25-200*						
	Surrogate: M9PFNA	*84.3 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*180 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*58.0 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*44.2 %*			*25-150*						
	Surrogate: M3HFPO-DA	*99.5 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*14.3 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*21.3 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1820-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:45 pm	04/29/2024

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:56	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:56	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:56	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:56	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:56	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:56	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:56	SCB
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:56	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:56	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	05/02/2024 04:00	05/03/2024 01:56	SCB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1820-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:45 pm	04/29/2024

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	40	40	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:56	SCB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
67-64-1	Acetone	ND	CCVE	ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
107-02-8	Acrolein	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:56	SCB
75-27-4	**Bromodichloromethane**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 01:56	SCB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB

Sample Information

Client Sample ID: Field Blank

York Sample ID: 24D1820-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:45 pm	04/29/2024

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
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
67-66-3	**Chloroform**	**2.5**		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	05/02/2024 04:00	05/03/2024 01:56	SCB
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:56	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:56	SCB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:56	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:56	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:56	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:56	SCB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/02/2024 04:00	05/03/2024 01:56	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	05/02/2024 04:00	05/03/2024 01:56	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1820-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:45 pm	04/29/2024

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
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	05/02/2024 04:00	05/03/2024 01:56	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	05/02/2024 04:00	05/03/2024 01:56	SCB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*91.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.9 %*	*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	0.447	1.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.333	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CC V-L	ng/L	0.676	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.647	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.400	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1820-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:45 pm	04/29/2024

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)	ND		ng/L	0.781	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.495	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.714	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.08	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.838	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.704	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.657	1.90	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.752	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
2991-50-6	N-EtFOSAA	ND		ng/L	0.980	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.219	3.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.838	1.90	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.866	1.82	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.26	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.01	7.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.95	7.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.314	7.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.476	3.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 15:34	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.04	3.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 15:34	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.238	3.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 15:34	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.352	3.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 08:27	05/09/2024 15:34	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.723	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.70	7.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.07	7.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1820-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:45 pm	04/29/2024

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	1.31	7.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.666	7.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
919005-14-4	ADONA	ND		ng/L	0.504	7.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.885	1.85	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:34	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.819	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 08:27	05/09/2024 15:34	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CC V-L	ng/L	1.93	4.76	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:34	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	PF-CC V-L	ng/L	6.98	23.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:34	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.01	23.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:34	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.80	19.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:34	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.50	1.90	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:34	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.80	19.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:34	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.71	1.90	1	EPA 1633 Draft 3 Certifications:	05/06/2024 08:27	05/09/2024 15:34	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*80.9 %*		*25-150*
Surrogate: M5PFHxA	*84.0 %*		*25-150*
Surrogate: M4PFHpA	*133 %*		*25-150*
Surrogate: M3PFHxS	*97.9 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*72.3 %*		*25-150*
Surrogate: M6PFDA	*75.0 %*		*25-150*
Surrogate: M7PFUdA	*83.2 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*80.4 %*		*25-150*
Surrogate: M2PFTeDA	*129 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.35 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.1 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*34.5 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*68.5 %*		*10-150*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1820-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1820	31402218.000 Westchester County Airport (WCA)	Ground Water	April 26, 2024 3:45 pm	04/29/2024

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: d3-N-MeFOSAA	*59.2 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*64.3 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*130 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*102 %*			*25-200*						
	Surrogate: M9PFNA	*87.1 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*98.0 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*86.3 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*90.5 %*			*25-150*						
	Surrogate: M3HFPO-DA	*81.1 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*116 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*111 %*			*25-150*						

Analytical Batch Summary

Batch ID: BE40206 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24D1820-05	FMW-40	05/02/24
24D1820-06	FMW-31	05/02/24
24D1820-08	FMW-23	05/02/24
24D1820-10	Field Blank	05/02/24
BE40206-BLK1	Blank	05/02/24
BE40206-BS1	LCS	05/02/24
BE40206-BSD1	LCS Dup	05/02/24

Batch ID: BE40220 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24D1820-08RE1	FMW-23	05/03/24
BE40220-BLK1	Blank	05/03/24
BE40220-BS1	LCS	05/03/24

Batch ID: BE40294 **Preparation Method:** EPA 5030B **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
24D1820-01	MW-59D	05/04/24
BE40294-BLK1	Blank	05/04/24
BE40294-BS1	LCS	05/04/24
BE40294-BSD1	LCS Dup	05/04/24

Batch ID: BE40339 **Preparation Method:** EPA 1633 Prep **Prepared By:** K H

YORK Sample ID	Client Sample ID	Preparation Date
24D1820-01	MW-59D	05/06/24
24D1820-02	FMW-24	05/06/24
24D1820-03	FMW-2R	05/06/24
24D1820-04	FMW-35	05/06/24
24D1820-05	FMW-40	05/06/24
24D1820-06	FMW-31	05/06/24
24D1820-07	MW-16	05/06/24
24D1820-08	FMW-23	05/06/24
24D1820-09	MW-53	05/06/24
24D1820-10	Field Blank	05/06/24
BE40339-BLK1	Blank	05/06/24
BE40339-BS1	LCS	05/06/24
BE40339-BS2	LCS	05/06/24
BE40339-DUP1	Duplicate	05/06/24

Batch ID: BE40449 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24D1820-09	MW-53	05/07/24
BE40449-BLK1	Blank	05/07/24
BE40449-BS1	LCS	05/07/24
BE40449-BSD1	LCS Dup	05/07/24

Batch ID: BE40468 **Preparation Method:** EPA 1633 Prep **Prepared By:** K H

YORK Sample ID	Client Sample ID	Preparation Date
24D1820-01RE1	MW-59D	05/06/24
24D1820-04RE1	FMW-35	05/06/24
24D1820-07RE1	MW-16	05/06/24
24D1820-10RE1	Field Blank	05/06/24
BE40468-BLK1	Blank	05/07/24
BE40468-BS1	LCS	05/07/24
BE40468-BS2	LCS	05/07/24

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 BE40206 - EPA 5030B

Blank (BE40206-BLK1) Prepared & Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Batch BE40206 - EPA 5030B

Blank (BE40206-BLK1) Prepared & Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.66*		*"*	*10.0*		*96.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.7*		*"*	*10.0*		*107*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				

LCS (BE40206-BS1) Prepared & Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	8.6		"	10.0		85.6	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		106	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.2		"	10.0		81.5	54-165				
1,1,2-Trichloroethane	10		"	10.0		99.7	82-123				
1,1-Dichloroethane	9.2		"	10.0		91.6	82-129				
1,1-Dichloroethylene	8.8		"	10.0		88.4	68-138				
1,2,3-Trichlorobenzene	21		"	10.0		212	40-130	High Bias			
1,2,3-Trichloropropane	9.8		"	10.0		98.5	77-128				
1,2,4-Trichlorobenzene	14		"	10.0		138	65-137	High Bias			
1,2,4-Trimethylbenzene	10		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		102	45-147				
1,2-Dibromoethane	10		"	10.0		104	83-124				
1,2-Dichlorobenzene	11		"	10.0		111	79-123				
1,2-Dichloroethane	8.9		"	10.0		88.9	73-132				
1,2-Dichloropropane	11		"	10.0		108	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		103	80-131				
1,3-Dichlorobenzene	11		"	10.0		107	86-130				
1,4-Dichlorobenzene	11		"	10.0		106	85-130				
1,4-Dioxane	40		"	210		19.0	10-349				
2-Butanone	7.7		"	10.0		77.2	49-152				
2-Hexanone	8.5		"	10.0		85.1	51-146				
4-Methyl-2-pentanone	9.6		"	10.0		95.7	57-145				
Acetone	5.0		"	10.0		49.5	14-150				
Acrolein	2.3		"	10.0		23.3	10-153				
Acrylonitrile	8.6		"	10.0		86.3	51-150				

Batch BE40206 - EPA 5030B

LCS (BE40206-BS1) Prepared & Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Benzene	9.3		ug/L	10.0		92.9	85-126				
Bromochloromethane	9.1		"	10.0		91.1	77-128				
Bromodichloromethane	10		"	10.0		103	79-128				
Bromoform	11		"	10.0		111	78-133				
Bromomethane	7.7		"	10.0		76.7	43-168				
Carbon disulfide	9.3		"	10.0		93.1	68-146				
Carbon tetrachloride	8.3		"	10.0		83.3	77-141				
Chlorobenzene	11		"	10.0		112	88-120				
Chloroethane	9.7		"	10.0		96.7	65-136				
Chloroform	9.1		"	10.0		91.3	82-128				
Chloromethane	8.7		"	10.0		86.9	43-155				
cis-1,2-Dichloroethylene	9.2		"	10.0		91.7	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		105	80-131				
Cyclohexane	8.1		"	10.0		80.6	63-149				
Dibromochloromethane	10		"	10.0		104	80-130				
Dibromomethane	9.9		"	10.0		98.8	72-134				
Dichlorodifluoromethane	8.9		"	10.0		89.0	44-144				
Ethyl Benzene	11		"	10.0		108	80-131				
Hexachlorobutadiene	18		"	10.0		183	67-146	High Bias			
Isopropylbenzene	11		"	10.0		106	76-140				
Methyl acetate	8.2		"	10.0		82.5	51-139				
Methyl tert-butyl ether (MTBE)	8.4		"	10.0		83.8	76-135				
Methylcyclohexane	9.2		"	10.0		92.1	72-143				
Methylene chloride	11		"	10.0		111	55-137				
n-Butylbenzene	11		"	10.0		108	79-132				
n-Propylbenzene	11		"	10.0		106	78-133				
o-Xylene	11		"	10.0		111	78-130				
p- & m- Xylenes	22		"	20.0		112	77-133				
p-Isopropyltoluene	11		"	10.0		107	81-136				
sec-Butylbenzene	11		"	10.0		107	79-137				
Styrene	11		"	10.0		109	67-132				
tert-Butyl alcohol (TBA)	44		"	50.0		87.2	25-162				
tert-Butylbenzene	11		"	10.0		106	77-138				
Tetrachloroethylene	5.4		"	10.0		54.5	82-131	Low Bias			
Toluene	11		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	9.2		"	10.0		92.1	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		102	78-131				
trans-1,4-dichloro-2-butene	10		"	10.0		103	63-141				
Trichloroethylene	10		"	10.0		99.5	82-128				
Trichlorofluoromethane	8.2		"	10.0		81.5	67-139				
Vinyl Chloride	9.0		"	10.0		90.5	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.31*		"	*10.0*		*93.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.7*		"	*10.0*		*107*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.71*		"	*10.0*		*97.1*	*79-122*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40206 - EPA 5030B											
LCS Dup (BE40206-BSD1)							Prepared & Analyzed: 05/02/2024				
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		104	82-126		0.671	30	
1,1,1-Trichloroethane	8.5		"	10.0		85.4	78-136		0.234	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		106	76-129		0.659	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.0		"	10.0		80.0	54-165		1.86	30	
1,1,2-Trichloroethane	10		"	10.0		101	82-123		0.899	30	
1,1-Dichloroethane	9.1		"	10.0		91.3	82-129		0.328	30	
1,1-Dichloroethylene	8.8		"	10.0		88.1	68-138		0.340	30	
1,2,3-Trichlorobenzene	21		"	10.0		208	40-130	High Bias	2.14	30	
1,2,3-Trichloropropane	9.7		"	10.0		96.6	77-128		1.95	30	
1,2,4-Trichlorobenzene	14		"	10.0		135	65-137		2.41	30	
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132		2.90	30	
1,2-Dibromo-3-chloropropane	10		"	10.0		102	45-147		0.687	30	
1,2-Dibromoethane	10		"	10.0		104	83-124		0.673	30	
1,2-Dichlorobenzene	11		"	10.0		110	79-123		0.632	30	
1,2-Dichloroethane	8.9		"	10.0		89.4	73-132		0.561	30	
1,2-Dichloropropane	11		"	10.0		108	78-126		0.185	30	
1,3,5-Trimethylbenzene	10		"	10.0		99.7	80-131		3.16	30	
1,3-Dichlorobenzene	11		"	10.0		106	86-130		1.31	30	
1,4-Dichlorobenzene	11		"	10.0		106	85-130		0.661	30	
1,4-Dioxane	110		"	210		54.4	10-349		96.4	30	Non-dir.
2-Butanone	7.7		"	10.0		76.9	49-152		0.389	30	
2-Hexanone	8.7		"	10.0		86.9	51-146		2.09	30	
4-Methyl-2-pentanone	9.8		"	10.0		97.8	57-145		2.17	30	
Acetone	5.2		"	10.0		51.5	14-150		3.96	30	
Acrolein	5.2		"	10.0		52.5	10-153		77.0	30	Non-dir.
Acrylonitrile	9.1		"	10.0		90.6	51-150		4.86	30	
Benzene	9.2		"	10.0		92.3	85-126		0.648	30	
Bromochloromethane	9.3		"	10.0		92.6	77-128		1.63	30	
Bromodichloromethane	10		"	10.0		103	79-128		0.388	30	
Bromoform	11		"	10.0		110	78-133		0.271	30	
Bromomethane	8.2		"	10.0		82.5	43-168		7.29	30	
Carbon disulfide	9.3		"	10.0		93.0	68-146		0.107	30	
Carbon tetrachloride	8.4		"	10.0		84.1	77-141		0.956	30	
Chlorobenzene	11		"	10.0		112	88-120		0.0890	30	
Chloroethane	9.6		"	10.0		96.4	65-136		0.311	30	
Chloroform	9.1		"	10.0		90.7	82-128		0.659	30	
Chloromethane	8.8		"	10.0		87.8	43-155		1.03	30	
cis-1,2-Dichloroethylene	9.1		"	10.0		91.2	83-129		0.547	30	
cis-1,3-Dichloropropylene	10		"	10.0		105	80-131		0.191	30	
Cyclohexane	8.0		"	10.0		79.5	63-149		1.37	30	
Dibromochloromethane	10		"	10.0		104	80-130		0.577	30	
Dibromomethane	9.8		"	10.0		98.4	72-134		0.406	30	
Dichlorodifluoromethane	8.6		"	10.0		86.1	44-144		3.31	30	
Ethyl Benzene	11		"	10.0		108	80-131		0.279	30	
Hexachlorobutadiene	18		"	10.0		177	67-146	High Bias	3.33	30	
Isopropylbenzene	10		"	10.0		103	76-140		2.59	30	
Methyl acetate	8.3		"	10.0		83.3	51-139		0.965	30	
Methyl tert-butyl ether (MTBE)	8.5		"	10.0		85.4	76-135		1.89	30	
Methylcyclohexane	9.1		"	10.0		91.1	72-143		1.09	30	
Methylene chloride	11		"	10.0		110	55-137		1.18	30	

Batch BE40206 - EPA 5030B

LCS Dup (BE40206-BSD1) Prepared & Analyzed: 05/02/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
n-Butylbenzene	11		ug/L	10.0		106	79-132		2.06	30	
n-Propylbenzene	10		"	10.0		103	78-133		2.78	30	
o-Xylene	11		"	10.0		110	78-130		0.362	30	
p- & m- Xylenes	22		"	20.0		112	77-133		0.0448	30	
p-Isopropyltoluene	10		"	10.0		104	81-136		3.60	30	
sec-Butylbenzene	10		"	10.0		104	79-137		2.74	30	
Styrene	11		"	10.0		109	67-132		0.275	30	
tert-Butyl alcohol (TBA)	43		"	50.0		85.7	25-162		1.83	30	
tert-Butylbenzene	10		"	10.0		104	77-138		2.00	30	
Tetrachloroethylene	5.4		"	10.0		54.1	82-131	Low Bias	0.737	30	
Toluene	10		"	10.0		105	80-127		0.854	30	
trans-1,2-Dichloroethylene	9.2		"	10.0		91.5	80-132		0.654	30	
trans-1,3-Dichloropropylene	10		"	10.0		103	78-131		0.488	30	
trans-1,4-dichloro-2-butene	10		"	10.0		103	63-141		0.0972	30	
Trichloroethylene	9.9		"	10.0		99.0	82-128		0.504	30	
Trichlorofluoromethane	8.0		"	10.0		80.0	67-139		1.86	30	
Vinyl Chloride	9.1		"	10.0		90.9	58-145		0.441	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.46*		*"*	*10.0*		*94.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.62*		*"*	*10.0*		*96.2*	*79-122*				

Batch BE40220 - EPA 5030B

Blank (BE40220-BLK1) Prepared & Analyzed: 05/03/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BE40220 - EPA 5030B

Blank (BE40220-BLK1) Prepared & Analyzed: 05/03/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.88*		"	*10.0*		*98.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.6*		"	*10.0*		*106*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.50*		"	*10.0*		*95.0*	*79-122*				

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

Batch BE40220 - EPA 5030B

LCS (BE40220-BS1) Prepared & Analyzed: 05/03/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		107	82-126				
1,1,1-Trichloroethane	8.8		"	10.0		87.7	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		107	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.5		"	10.0		85.2	54-165				
1,1,2-Trichloroethane	10		"	10.0		103	82-123				
1,1-Dichloroethane	9.1		"	10.0		91.3	82-129				
1,1-Dichloroethylene	9.1		"	10.0		90.8	68-138				
1,2,3-Trichlorobenzene	0.0		"	10.0			40-130	Low Bias			
1,2,3-Trichloropropane	9.9		"	10.0		99.3	77-128				
1,2,4-Trichlorobenzene	23		"	10.0		234	65-137	High Bias			
1,2,4-Trimethylbenzene	10		"	10.0		104	82-132				
1,2-Dibromo-3-chloropropane	12		"	10.0		119	45-147				
1,2-Dibromoethane	11		"	10.0		109	83-124				
1,2-Dichlorobenzene	11		"	10.0		114	79-123				
1,2-Dichloroethane	9.5		"	10.0		94.7	73-132				
1,2-Dichloropropane	11		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		101	80-131				
1,3-Dichlorobenzene	11		"	10.0		108	86-130				
1,4-Dichlorobenzene	11		"	10.0		107	85-130				
1,4-Dioxane	120		"	210		56.6	10-349				
2-Butanone	7.8		"	10.0		78.5	49-152				
2-Hexanone	9.2		"	10.0		92.1	51-146				
4-Methyl-2-pentanone	10		"	10.0		102	57-145				
Acetone	5.5		"	10.0		55.1	14-150				
Acrolein	4.8		"	10.0		47.6	10-153				
Acrylonitrile	9.4		"	10.0		94.1	51-150				
Benzene	9.3		"	10.0		93.1	85-126				
Bromochloromethane	9.5		"	10.0		95.3	77-128				
Bromodichloromethane	10		"	10.0		103	79-128				
Bromoform	12		"	10.0		118	78-133				
Bromomethane	4.5		"	10.0		45.3	43-168				
Carbon disulfide	9.6		"	10.0		96.3	68-146				
Carbon tetrachloride	8.7		"	10.0		87.1	77-141				
Chlorobenzene	11		"	10.0		112	88-120				
Chloroethane	9.7		"	10.0		97.0	65-136				
Chloroform	9.2		"	10.0		91.8	82-128				
Chloromethane	7.7		"	10.0		77.3	43-155				
cis-1,2-Dichloroethylene	9.3		"	10.0		92.6	83-129				
cis-1,3-Dichloropropylene	11		"	10.0		105	80-131				
Cyclohexane	8.6		"	10.0		85.9	63-149				
Dibromochloromethane	11		"	10.0		108	80-130				
Dibromomethane	10		"	10.0		102	72-134				
Dichlorodifluoromethane	8.9		"	10.0		89.4	44-144				
Ethyl Benzene	11		"	10.0		108	80-131				
Hexachlorobutadiene	23		"	10.0		234	67-146	High Bias			
Isopropylbenzene	10		"	10.0		99.8	76-140				
Methyl acetate	8.9		"	10.0		88.9	51-139				
Methyl tert-butyl ether (MTBE)	9.0		"	10.0		89.9	76-135				
Methylcyclohexane	9.5		"	10.0		95.4	72-143				
Methylene chloride	11		"	10.0		114	55-137				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40220 - EPA 5030B											
LCS (BE40220-BS1)								Prepared & Analyzed: 05/03/2024			
n-Butylbenzene	11		ug/L	10.0		114	79-132				
n-Propylbenzene	10		"	10.0		101	78-133				
o-Xylene	11		"	10.0		112	78-130				
p- & m- Xylenes	22		"	20.0		112	77-133				
p-Isopropyltoluene	11		"	10.0		108	81-136				
sec-Butylbenzene	11		"	10.0		106	79-137				
Styrene	11		"	10.0		111	67-132				
tert-Butyl alcohol (TBA)	45		"	50.0		89.1	25-162				
tert-Butylbenzene	10		"	10.0		104	77-138				
Tetrachloroethylene	5.4		"	10.0		54.5	82-131	Low Bias			
Toluene	10		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	9.2		"	10.0		92.0	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		106	78-131				
trans-1,4-dichloro-2-butene	10		"	10.0		105	63-141				
Trichloroethylene	9.7		"	10.0		97.1	82-128				
Trichlorofluoromethane	8.5		"	10.0		85.2	67-139				
Vinyl Chloride	9.1		"	10.0		91.1	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.87*		*"*	*10.0*		*98.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.14*		*"*	*10.0*		*91.4*	*79-122*				
Batch BE40294 - EPA 5030B											
Blank (BE40294-BLK1)								Prepared & Analyzed: 05/04/2024			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	1.4	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

Batch BE40294 - EPA 5030B

Blank (BE40294-BLK1) Prepared & Analyzed: 05/04/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		"	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		"	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		"	*10.0*		*102*	*79-122*				

Batch BE40294 - EPA 5030B

LCS (BE40294-BS1) Prepared & Analyzed: 05/04/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	11		"	10.0		114	78-136				
1,1,2,2-Tetrachloroethane	12		"	10.0		123	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		120	54-165				
1,1,2-Trichloroethane	11		"	10.0		110	82-123				
1,1-Dichloroethane	11		"	10.0		109	82-129				
1,1-Dichloroethylene	12		"	10.0		124	68-138				
1,2,3-Trichlorobenzene	11		"	10.0		106	40-130				
1,2,3-Trichloropropane	11		"	10.0		110	77-128				
1,2,4-Trichlorobenzene	11		"	10.0		107	65-137				
1,2,4-Trimethylbenzene	10		"	10.0		103	82-132				
1,2-Dibromo-3-chloropropane	12		"	10.0		119	45-147				
1,2-Dibromoethane	11		"	10.0		110	83-124				
1,2-Dichlorobenzene	11		"	10.0		107	79-123				
1,2-Dichloroethane	11		"	10.0		110	73-132				
1,2-Dichloropropane	11		"	10.0		111	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131				
1,3-Dichlorobenzene	11		"	10.0		105	86-130				
1,4-Dichlorobenzene	10		"	10.0		104	85-130				
1,4-Dioxane	300		"	210		143	10-349				
2-Butanone	12		"	10.0		119	49-152				
2-Hexanone	11		"	10.0		110	51-146				
4-Methyl-2-pentanone	12		"	10.0		117	57-145				
Acetone	9.7		"	10.0		97.1	14-150				
Acrolein	19		"	10.0		193	10-153	High Bias			
Acrylonitrile	12		"	10.0		117	51-150				
Benzene	11		"	10.0		111	85-126				
Bromochloromethane	11		"	10.0		108	77-128				
Bromodichloromethane	11		"	10.0		108	79-128				
Bromoform	11		"	10.0		112	78-133				
Bromomethane	10		"	10.0		100	43-168				
Carbon disulfide	13		"	10.0		128	68-146				
Carbon tetrachloride	12		"	10.0		116	77-141				
Chlorobenzene	11		"	10.0		114	88-120				
Chloroethane	10		"	10.0		100	65-136				
Chloroform	11		"	10.0		108	82-128				
Chloromethane	11		"	10.0		110	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	11		"	10.0		106	80-131				
Cyclohexane	11		"	10.0		107	63-149				
Dibromochloromethane	11		"	10.0		107	80-130				
Dibromomethane	11		"	10.0		111	72-134				
Dichlorodifluoromethane	12		"	10.0		120	44-144				
Ethyl Benzene	11		"	10.0		106	80-131				
Hexachlorobutadiene	10		"	10.0		99.6	67-146				
Isopropylbenzene	10		"	10.0		103	76-140				
Methyl acetate	11		"	10.0		111	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		114	76-135				
Methylcyclohexane	10		"	10.0		104	72-143				
Methylene chloride	11		"	10.0		114	55-137				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BE40294 - EPA 5030B

LCS (BE40294-BS1) Prepared & Analyzed: 05/04/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
n-Butylbenzene	10		ug/L	10.0		100	79-132				
n-Propylbenzene	10		"	10.0		102	78-133				
o-Xylene	11		"	10.0		107	78-130				
p- & m- Xylenes	21		"	20.0		104	77-133				
p-Isopropyltoluene	10		"	10.0		100	81-136				
sec-Butylbenzene	10		"	10.0		101	79-137				
Styrene	11		"	10.0		106	67-132				
tert-Butyl alcohol (TBA)	66		"	50.0		132	25-162				
tert-Butylbenzene	10		"	10.0		102	77-138				
Tetrachloroethylene	5.8		"	10.0		58.0	82-131	Low Bias			
Toluene	11		"	10.0		111	80-127				
trans-1,2-Dichloroethylene	12		"	10.0		115	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		108	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		112	63-141				
Trichloroethylene	11		"	10.0		107	82-128				
Trichlorofluoromethane	12		"	10.0		120	67-139				
Vinyl Chloride	10		"	10.0		104	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		"	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		"	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.74*		"	*10.0*		*97.4*	*79-122*				

LCS Dup (BE40294-BSD1) Prepared & Analyzed: 05/04/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126		6.29	30	
1,1,1-Trichloroethane	11		"	10.0		108	78-136		5.68	30	
1,1,2,2-Tetrachloroethane	12		"	10.0		120	76-129		2.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		115	54-165		3.66	30	
1,1,2-Trichloroethane	11		"	10.0		107	82-123		2.67	30	
1,1-Dichloroethane	10		"	10.0		104	82-129		5.08	30	
1,1-Dichloroethylene	12		"	10.0		118	68-138		5.45	30	
1,2,3-Trichlorobenzene	10		"	10.0		102	40-130		4.41	30	
1,2,3-Trichloropropane	11		"	10.0		108	77-128		1.65	30	
1,2,4-Trichlorobenzene	10		"	10.0		103	65-137		3.14	30	
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132		2.16	30	
1,2-Dibromo-3-chloropropane	11		"	10.0		108	45-147		9.62	30	
1,2-Dibromoethane	11		"	10.0		105	83-124		4.63	30	
1,2-Dichlorobenzene	10		"	10.0		102	79-123		4.58	30	
1,2-Dichloroethane	10		"	10.0		104	73-132		5.15	30	
1,2-Dichloropropane	11		"	10.0		106	78-126		4.78	30	
1,3,5-Trimethylbenzene	9.9		"	10.0		99.3	80-131		2.49	30	
1,3-Dichlorobenzene	10		"	10.0		102	86-130		3.48	30	
1,4-Dichlorobenzene	10		"	10.0		100	85-130		3.72	30	
1,4-Dioxane	300		"	210		141	10-349		1.36	30	
2-Butanone	11		"	10.0		107	49-152		10.8	30	
2-Hexanone	10		"	10.0		104	51-146		6.36	30	
4-Methyl-2-pentanone	11		"	10.0		110	57-145		5.46	30	
Acetone	9.2		"	10.0		92.0	14-150		5.39	30	
Acrolein	17		"	10.0		170	10-153	High Bias	12.7	30	
Acrylonitrile	11		"	10.0		110	51-150		6.16	30	
Benzene	11		"	10.0		106	85-126		5.08	30	
Bromochloromethane	10		"	10.0		103	77-128		4.82	30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40294 - EPA 5030B											
LCS Dup (BE40294-BSD1)							Prepared & Analyzed: 05/04/2024				
Bromodichloromethane	10		ug/L	10.0		103	79-128		4.46	30	
Bromoform	11		"	10.0		107	78-133		5.02	30	
Bromomethane	9.6		"	10.0		95.6	43-168		4.70	30	
Carbon disulfide	12		"	10.0		121	68-146		5.69	30	
Carbon tetrachloride	11		"	10.0		110	77-141		5.93	30	
Chlorobenzene	11		"	10.0		108	88-120		4.87	30	
Chloroethane	9.2		"	10.0		91.7	65-136		8.66	30	
Chloroform	10		"	10.0		103	82-128		4.76	30	
Chloromethane	11		"	10.0		107	43-155		3.23	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		5.99	30	
cis-1,3-Dichloropropylene	10		"	10.0		100	80-131		6.10	30	
Cyclohexane	10		"	10.0		102	63-149		4.97	30	
Dibromochloromethane	10		"	10.0		102	80-130		4.49	30	
Dibromomethane	10		"	10.0		104	72-134		6.50	30	
Dichlorodifluoromethane	11		"	10.0		114	44-144		4.52	30	
Ethyl Benzene	10		"	10.0		102	80-131		3.64	30	
Hexachlorobutadiene	9.6		"	10.0		96.5	67-146		3.16	30	
Isopropylbenzene	10		"	10.0		102	76-140		1.46	30	
Methyl acetate	10		"	10.0		104	51-139		5.86	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		7.00	30	
Methylcyclohexane	9.8		"	10.0		97.8	72-143		6.53	30	
Methylene chloride	11		"	10.0		109	55-137		4.32	30	
n-Butylbenzene	9.7		"	10.0		97.4	79-132		2.83	30	
n-Propylbenzene	10		"	10.0		100	78-133		1.48	30	
o-Xylene	10		"	10.0		102	78-130		4.61	30	
p- & m- Xylenes	20		"	20.0		100	77-133		3.87	30	
p-Isopropyltoluene	9.8		"	10.0		97.8	81-136		2.62	30	
sec-Butylbenzene	9.9		"	10.0		98.7	79-137		2.20	30	
Styrene	10		"	10.0		101	67-132		4.26	30	
tert-Butyl alcohol (TBA)	62		"	50.0		124	25-162		6.67	30	
tert-Butylbenzene	10		"	10.0		100	77-138		1.78	30	
Tetrachloroethylene	5.5		"	10.0		54.9	82-131	Low Bias	5.49	30	
Toluene	10		"	10.0		105	80-127		5.29	30	
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132		5.34	30	
trans-1,3-Dichloropropylene	10		"	10.0		103	78-131		5.03	30	
trans-1,4-dichloro-2-butene	11		"	10.0		109	63-141		2.99	30	
Trichloroethylene	10		"	10.0		101	82-128		5.47	30	
Trichlorofluoromethane	11		"	10.0		112	67-139		6.64	30	
Vinyl Chloride	9.8		"	10.0		98.2	58-145		5.64	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.95*		"	*10.0*		*99.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		"	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		"	*10.0*		*100*	*79-122*				

Batch BE40449 - EPA 5030B

Blank (BE40449-BLK1) Prepared & Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								

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

Batch BE40449 - EPA 5030B

Blank (BE40449-BLK1) Prepared & Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.93*		*"*	*10.0*		*99.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				

LCS (BE40449-BS1) Prepared & Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	11		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	12		"	10.0		116	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		118	54-165				
1,1,2-Trichloroethane	10		"	10.0		103	82-123				
1,1-Dichloroethane	10		"	10.0		105	82-129				
1,1-Dichloroethylene	12		"	10.0		122	68-138				
1,2,3-Trichlorobenzene	10		"	10.0		101	40-130				
1,2,3-Trichloropropane	10		"	10.0		105	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		104	65-137				
1,2,4-Trimethylbenzene	10		"	10.0		104	82-132				
1,2-Dibromo-3-chloropropane	11		"	10.0		112	45-147				
1,2-Dibromoethane	10		"	10.0		102	83-124				
1,2-Dichlorobenzene	10		"	10.0		104	79-123				
1,2-Dichloroethane	10		"	10.0		99.5	73-132				
1,2-Dichloropropane	11		"	10.0		111	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131				
1,3-Dichlorobenzene	10		"	10.0		103	86-130				
1,4-Dichlorobenzene	10		"	10.0		101	85-130				
1,4-Dioxane	230		"	210		110	10-349				
2-Butanone	10		"	10.0		102	49-152				
2-Hexanone	9.8		"	10.0		97.5	51-146				
4-Methyl-2-pentanone	10		"	10.0		102	57-145				
Acetone	8.0		"	10.0		80.1	14-150				
Acrolein	17		"	10.0		171	10-153	High Bias			
Acrylonitrile	11		"	10.0		108	51-150				
Benzene	11		"	10.0		107	85-126				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BE40449 - EPA 5030B

LCS (BE40449-BS1) Prepared & Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Bromochloromethane	10		ug/L	10.0		102	77-128				
Bromodichloromethane	10		"	10.0		103	79-128				
Bromoform	10		"	10.0		102	78-133				
Bromomethane	8.2		"	10.0		82.0	43-168				
Carbon disulfide	13		"	10.0		127	68-146				
Carbon tetrachloride	11		"	10.0		112	77-141				
Chlorobenzene	11		"	10.0		110	88-120				
Chloroethane	8.7		"	10.0		86.7	65-136				
Chloroform	10		"	10.0		102	82-128				
Chloromethane	11		"	10.0		108	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		105	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		100	80-131				
Cyclohexane	11		"	10.0		111	63-149				
Dibromochloromethane	10		"	10.0		99.6	80-130				
Dibromomethane	10		"	10.0		103	72-134				
Dichlorodifluoromethane	12		"	10.0		117	44-144				
Ethyl Benzene	11		"	10.0		106	80-131				
Hexachlorobutadiene	10		"	10.0		103	67-146				
Isopropylbenzene	11		"	10.0		107	76-140				
Methyl acetate	9.9		"	10.0		98.9	51-139				
Methyl tert-butyl ether (MTBE)	9.4		"	10.0		94.2	76-135				
Methylcyclohexane	11		"	10.0		106	72-143				
Methylene chloride	11		"	10.0		106	55-137				
n-Butylbenzene	10		"	10.0		105	79-132				
n-Propylbenzene	11		"	10.0		106	78-133				
o-Xylene	10		"	10.0		105	78-130				
p- & m- Xylenes	21		"	20.0		103	77-133				
p-Isopropyltoluene	10		"	10.0		102	81-136				
sec-Butylbenzene	10		"	10.0		104	79-137				
Styrene	10		"	10.0		103	67-132				
tert-Butyl alcohol (TBA)	52		"	50.0		103	25-162				
tert-Butylbenzene	11		"	10.0		105	77-138				
Tetrachloroethylene	5.8		"	10.0		57.6	82-131	Low Bias			
Toluene	11		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		112	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		99.7	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		106	63-141				
Trichloroethylene	11		"	10.0		105	82-128				
Trichlorofluoromethane	11		"	10.0		108	67-139				
Vinyl Chloride	9.8		"	10.0		97.6	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.39*		"	*10.0*		*93.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		"	*10.0*		*102*	*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

Batch BE40449 - EPA 5030B

LCS Dup (BE40449-BSD1) Prepared & Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		97.7	82-126		4.01	30	
1,1,1-Trichloroethane	9.9		"	10.0		99.4	78-136		8.39	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		115	76-129		0.781	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		110	54-165		7.03	30	
1,1,2-Trichloroethane	10		"	10.0		101	82-123		2.06	30	
1,1-Dichloroethane	10		"	10.0		99.9	82-129		4.98	30	
1,1-Dichloroethylene	11		"	10.0		112	68-138		8.12	30	
1,2,3-Trichlorobenzene	9.7		"	10.0		97.3	40-130		3.93	30	
1,2,3-Trichloropropane	10		"	10.0		100	77-128		4.50	30	
1,2,4-Trichlorobenzene	9.8		"	10.0		97.5	65-137		6.26	30	
1,2,4-Trimethylbenzene	9.5		"	10.0		94.6	82-132		9.37	30	
1,2-Dibromo-3-chloropropane	10		"	10.0		104	45-147		7.69	30	
1,2-Dibromoethane	10		"	10.0		103	83-124		0.977	30	
1,2-Dichlorobenzene	9.7		"	10.0		97.3	79-123		7.14	30	
1,2-Dichloroethane	10		"	10.0		102	73-132		2.48	30	
1,2-Dichloropropane	11		"	10.0		106	78-126		4.33	30	
1,3,5-Trimethylbenzene	9.2		"	10.0		91.9	80-131		10.8	30	
1,3-Dichlorobenzene	9.6		"	10.0		95.9	86-130		6.75	30	
1,4-Dichlorobenzene	9.4		"	10.0		94.2	85-130		6.77	30	
1,4-Dioxane	310		"	210		148	10-349		29.2	30	
2-Butanone	11		"	10.0		108	49-152		5.34	30	
2-Hexanone	10		"	10.0		101	51-146		3.82	30	
4-Methyl-2-pentanone	11		"	10.0		108	57-145		5.74	30	
Acetone	8.6		"	10.0		85.5	14-150		6.52	30	
Acrolein	18		"	10.0		183	10-153	High Bias	6.84	30	
Acrylonitrile	11		"	10.0		115	51-150		6.02	30	
Benzene	10		"	10.0		101	85-126		5.19	30	
Bromochloromethane	10		"	10.0		102	77-128		0.196	30	
Bromodichloromethane	10		"	10.0		100	79-128		2.76	30	
Bromoform	10		"	10.0		105	78-133		2.71	30	
Bromomethane	7.6		"	10.0		76.5	43-168		6.94	30	
Carbon disulfide	12		"	10.0		116	68-146		8.71	30	
Carbon tetrachloride	10		"	10.0		104	77-141		7.71	30	
Chlorobenzene	10		"	10.0		104	88-120		5.33	30	
Chloroethane	8.3		"	10.0		82.6	65-136		4.84	30	
Chloroform	9.8		"	10.0		97.5	82-128		4.02	30	
Chloromethane	10		"	10.0		102	43-155		5.89	30	
cis-1,2-Dichloroethylene	10		"	10.0		99.8	83-129		4.98	30	
cis-1,3-Dichloropropylene	9.7		"	10.0		96.6	80-131		3.56	30	
Cyclohexane	10		"	10.0		102	63-149		8.75	30	
Dibromochloromethane	9.8		"	10.0		98.0	80-130		1.62	30	
Dibromomethane	10		"	10.0		102	72-134		0.488	30	
Dichlorodifluoromethane	10		"	10.0		104	44-144		11.7	30	
Ethyl Benzene	9.7		"	10.0		97.0	80-131		8.40	30	
Hexachlorobutadiene	9.0		"	10.0		90.1	67-146		13.4	30	
Isopropylbenzene	9.4		"	10.0		93.9	76-140		12.7	30	
Methyl acetate	11		"	10.0		107	51-139		7.68	30	
Methyl tert-butyl ether (MTBE)	9.8		"	10.0		98.2	76-135		4.16	30	
Methylcyclohexane	9.6		"	10.0		96.0	72-143		10.4	30	
Methylene chloride	10		"	10.0		104	55-137		2.58	30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40449 - EPA 5030B											
LCS Dup (BE40449-BSD1)								Prepared & Analyzed: 05/07/2024			
n-Butylbenzene	9.3		ug/L	10.0		93.3	79-132		11.6	30	
n-Propylbenzene	9.5		"	10.0		94.6	78-133		11.3	30	
o-Xylene	9.8		"	10.0		97.9	78-130		6.81	30	
p- & m- Xylenes	19		"	20.0		94.8	77-133		8.63	30	
p-Isopropyltoluene	9.1		"	10.0		91.2	81-136		11.6	30	
sec-Butylbenzene	9.3		"	10.0		93.1	79-137		11.4	30	
Styrene	9.6		"	10.0		96.0	67-132		6.74	30	
tert-Butyl alcohol (TBA)	61		"	50.0		122	25-162		16.2	30	
tert-Butylbenzene	9.3		"	10.0		93.2	77-138		12.0	30	
Tetrachloroethylene	5.2		"	10.0		51.6	82-131	Low Bias	11.0	30	
Toluene	10		"	10.0		100	80-127		7.29	30	
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132		7.80	30	
trans-1,3-Dichloropropylene	10		"	10.0		99.5	78-131		0.201	30	
trans-1,4-dichloro-2-butene	11		"	10.0		108	63-141		2.34	30	
Trichloroethylene	9.6		"	10.0		95.8	82-128		9.35	30	
Trichlorofluoromethane	10		"	10.0		101	67-139		7.07	30	
Vinyl Chloride	9.0		"	10.0		89.9	58-145		8.21	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.77*		*"*	*10.0*		*97.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.97*		*"*	*10.0*		*99.7*	*79-122*				

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

York Analytical Laboratories, Inc. - Stratford

Batch BE40339 - EPA 1633 Prep

Blank (BE40339-BLK1) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	*33.8*		*"*	*46.6*		*72.5*	*25-150*				
Surrogate: M5PFHxA	*34.2*		*"*	*50.0*		*68.4*	*25-150*				
Surrogate: M4PFHpA	*48.0*		*"*	*50.0*		*96.0*	*25-150*				
Surrogate: M3PFHxS	*37.9*		*"*	*47.4*		*80.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*29.2*		*"*	*50.0*		*58.3*	*25-150*				
Surrogate: M6PFDA	*17.7*		*"*	*25.0*		*70.7*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40339 - EPA 1633 Prep											
Blank (BE40339-BLK1)							Prepared: 05/06/2024 Analyzed: 05/07/2024				
Surrogate: M7PFUdA	*13.3*		*ng/L*	*25.0*		*53.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*8.67*		*"*	*25.0*		*34.7*	*25-150*				
Surrogate: M2PFTeDA	*9.57*		*"*	*25.0*		*38.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*2.98*		*"*	*200*		*1.49*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*34.7*		*"*	*47.9*		*72.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*36.6*		*"*	*100*		*36.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*29.6*		*"*	*50.0*		*59.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*52.9*		*"*	*100*		*52.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*47.0*		*"*	*100*		*47.0*	*25-150*				
Surrogate: M2-6:2 FTS	*115*		*"*	*95.1*		*121*	*25-200*				
Surrogate: M2-8:2 FTS	*73.9*		*"*	*96.0*		*77.0*	*25-200*				
Surrogate: M9PFNA	*17.9*		*"*	*25.0*		*71.5*	*25-150*				
Surrogate: M2-4:2 FTS	*114*		*"*	*93.8*		*122*	*25-150*				
Surrogate: d-N-MeFOSA	*23.1*		*"*	*50.0*		*46.3*	*25-150*				
Surrogate: d-N-EtFOSA	*19.2*		*"*	*50.0*		*38.3*	*25-150*				
Surrogate: M3HFPO-DA	*163*		*"*	*200*		*81.3*	*25-150*				
Surrogate: d9-N-EtFOSE	*169*		*"*	*500*		*33.8*	*25-150*				
Surrogate: d7-N-MeFOSE	*203*		*"*	*500*		*40.6*	*25-150*				
LCS (BE40339-BS1)							Prepared: 05/06/2024 Analyzed: 05/07/2024				
Perfluorobutanesulfonic acid (PFBS)	63.4	3.54	ng/L	70.8		89.6	50-150				
Perfluorohexanoic acid (PFHxA)	72.9	4.00	"	80.0		91.1	50-150				
Perfluoroheptanoic acid (PFHpA)	50.5	4.00	"	80.0		63.1	50-150				
Perfluorohexanesulfonic acid (PFHxS)	72.2	3.66	"	73.2		98.7	50-150				
Perfluorooctanoic acid (PFOA)	84.2	4.00	"	80.0		105	50-150				
Perfluorooctanesulfonic acid (PFOS)	62.3	3.72	"	74.4		83.7	50-150				
Perfluorononanoic acid (PFNA)	79.8	4.00	"	80.0		99.8	50-150				
Perfluorodecanoic acid (PFDA)	85.3	4.00	"	80.0		107	50-150				
Perfluoroundecanoic acid (PFUnA)	83.4	4.00	"	80.0		104	50-150				
Perfluorododecanoic acid (PFDoA)	76.9	4.00	"	80.0		96.1	50-150				
Perfluorotridecanoic acid (PFTrDA)	85.5	4.00	"	80.0		107	50-150				
Perfluorotetradecanoic acid (PFTA)	69.3	4.00	"	80.0		86.7	50-150				
N-MeFOSAA	81.5	4.00	"	80.0		102	50-150				
N-EtFOSAA	74.7	4.00	"	80.0		93.4	50-150				
Perfluoropentanoic acid (PFPeA)	152	8.00	"	160		94.8	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	83.2	4.00	"	80.0		104	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	69.4	3.82	"	76.4		90.8	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	66.0	3.86	"	77.2		85.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	350	15.2	"	304		115	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	288	15.4	"	307		93.7	50-150				
Perfluoro-n-butanoic acid (PFBA)	207	16.0	"	320		64.8	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	124	7.12	"	142		87.0	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	133	8.00	"	160		83.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	18.8	8.00	"	160		11.7	50-150	Low Bias			

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 BE40339 - EPA 1633 Prep

LCS (BE40339-BS1) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluoro-5-oxahexanoic acid (PFMBA)	215	8.00	ng/L	160		135	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	69.5	3.76	"	75.2		92.4	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	338	15.0	"	300		113	50-150				
HFPO-DA (Gen-X)	138	16.0	"	160		86.2	50-150				
11CL-PF3OUdS	110	15.1	"	151		72.9	50-150				
9CL-PF3ONS	136	15.0	"	150		91.0	50-150				
ADONA	155	15.1	"	151		102	50-150				
Perfluorododecanesulfonic acid (PFDoS)	41.4	3.88	"	77.6		53.4	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	67.1	3.84	"	76.8		87.4	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	194	10.0	"	320		60.6	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	1750	50.0	"	1600		109	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1980	50.0	"	1600		124	50-150				
N-MeFOSE	640	40.0	"	800		80.0	50-150				
N-MeFOSA	85.2	4.00	"	80.0		107	50-150				
N-EtFOSE	738	40.0	"	800		92.3	50-150				
N-EtFOSA	85.6	4.00	"	80.0		107	50-150				
Surrogate: M3PFBS	*33.5*		"	*46.6*		*71.9*	*25-150*				
Surrogate: M5PFHxA	*36.5*		"	*50.0*		*73.0*	*25-150*				
Surrogate: M4PFHpA	*52.5*		"	*50.0*		*105*	*25-150*				
Surrogate: M3PFHxS	*38.7*		"	*47.4*		*81.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*32.3*		"	*50.0*		*64.7*	*25-150*				
Surrogate: M6PFDA	*19.7*		"	*25.0*		*78.6*	*25-150*				
Surrogate: M7PFUdA	*19.0*		"	*25.0*		*75.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*11.5*		"	*25.0*		*46.2*	*25-150*				
Surrogate: M2PFTeDA	*9.87*		"	*25.0*		*39.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*2.66*		"	*200*		*1.33*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*37.2*		"	*47.9*		*77.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*32.8*		"	*100*		*32.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*34.7*		"	*50.0*		*69.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*60.4*		"	*100*		*60.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*56.7*		"	*100*		*56.7*	*25-150*				
Surrogate: M2-6:2 FTS	*131*		"	*95.1*		*138*	*25-200*				
Surrogate: M2-8:2 FTS	*90.8*		"	*96.0*		*94.6*	*25-200*				
Surrogate: M9PFNA	*16.8*		"	*25.0*		*67.3*	*25-150*				
Surrogate: M2-4:2 FTS	*121*		"	*93.8*		*129*	*25-150*				
Surrogate: d-N-MeFOSA	*25.5*		"	*50.0*		*51.0*	*25-150*				
Surrogate: d-N-EtFOSA	*22.2*		"	*50.0*		*44.3*	*25-150*				
Surrogate: M3HFPO-DA	*150*		"	*200*		*74.9*	*25-150*				
Surrogate: d9-N-EtFOSE	*169*		"	*500*		*33.7*	*25-150*				
Surrogate: d7-N-MeFOSE	*198*		"	*500*		*39.6*	*25-150*				

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

York Analytical Laboratories, Inc. - Stratford

Batch BE40339 - EPA 1633 Prep

LCS (BE40339-BS2) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	11.8	3.54	ng/L	14.2		83.6	50-150				
Perfluorohexanoic acid (PFHxA)	14.8	4.00	"	16.0		92.2	50-150				
Perfluoroheptanoic acid (PFHpA)	9.19	4.00	"	16.0		57.4	50-150				
Perfluorohexanesulfonic acid (PFHxS)	14.8	3.66	"	14.6		101	50-150				
Perfluorooctanoic acid (PFOA)	16.1	4.00	"	16.0		100	50-150				
Perfluorooctanesulfonic acid (PFOS)	11.6	3.72	"	14.9		77.7	50-150				
Perfluorononanoic acid (PFNA)	16.4	4.00	"	16.0		102	50-150				
Perfluorodecanoic acid (PFDA)	17.9	4.00	"	16.0		112	50-150				
Perfluoroundecanoic acid (PFUnA)	15.3	4.00	"	16.0		95.4	50-150				
Perfluorododecanoic acid (PFDoA)	15.1	4.00	"	16.0		94.7	50-150				
Perfluorotridecanoic acid (PFTrDA)	19.3	4.00	"	16.0		121	50-150				
Perfluorotetradecanoic acid (PFTA)	12.1	4.00	"	16.0		75.4	50-150				
N-MeFOSAA	16.7	4.00	"	16.0		104	50-150				
N-EtFOSAA	13.2	4.00	"	16.0		82.6	50-150				
Perfluoropentanoic acid (PFPeA)	28.2	8.00	"	32.0		88.2	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	16.2	4.00	"	16.0		101	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	13.7	3.82	"	15.3		89.9	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	12.5	3.86	"	15.4		80.9	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	66.2	15.2	"	60.8		109	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	57.7	15.4	"	61.4		93.9	50-150				
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"	64.0			50-150	Low Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	23.9	7.12	"	28.5		83.9	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	21.3	8.00	"	32.0		66.7	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	6.68	8.00	"	32.0		20.9	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	33.9	8.00	"	32.0		106	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	13.5	3.76	"	15.0		89.7	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	63.3	15.0	"	60.0		105	50-150				
HFPO-DA (Gen-X)	31.9	16.0	"	32.0		99.7	50-150				
11CL-PF3OUdS	17.7	15.1	"	30.2		58.6	50-150				
9CL-PF3ONS	22.8	15.0	"	29.9		76.1	50-150				
ADONA	25.2	15.1	"	30.2		83.4	50-150				
Perfluorododecanesulfonic acid (PFDoS)	7.41	3.88	"	15.5		47.7	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	12.6	3.84	"	15.4		82.0	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	42.7	10.0	"	64.0		66.7	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	307	50.0	"	320		95.9	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	394	50.0	"	320		123	50-150				
N-MeFOSE	116	40.0	"	160		72.8	50-150				
N-MeFOSA	16.6	4.00	"	16.0		104	50-150				
N-EtFOSE	146	40.0	"	160		91.4	50-150				
N-EtFOSA	14.2	4.00	"	16.0		88.6	50-150				
Surrogate: M3PFBS	*39.7*		"	*46.6*		*85.2*	*25-150*				
Surrogate: M5PFHxA	*42.4*		"	*50.0*		*84.7*	*25-150*				
Surrogate: M4PFHpA	*63.5*		"	*50.0*		*127*	*25-150*				
Surrogate: M3PFHxS	*41.2*		"	*47.4*		*87.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*31.1*		"	*50.0*		*62.2*	*25-150*				
Surrogate: M6PFDA	*19.1*		"	*25.0*		*76.4*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40339 - EPA 1633 Prep											
LCS (BE40339-BS2)							Prepared: 05/06/2024 Analyzed: 05/07/2024				
Surrogate: M7PFUdA	*20.5*		*ng/L*	*25.0*		*82.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*12.9*		"	*25.0*		*51.4*	*25-150*				
Surrogate: M2PFTeDA	*9.37*		"	*25.0*		*37.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*6.51*		"	*200*		*3.26*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*40.1*		"	*47.9*		*83.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*60.2*		"	*100*		*60.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*38.6*		"	*50.0*		*77.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*67.3*		"	*100*		*67.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*68.5*		"	*100*		*68.5*	*25-150*				
Surrogate: M2-6:2 FTS	*139*		"	*95.1*		*146*	*25-200*				
Surrogate: M2-8:2 FTS	*90.6*		"	*96.0*		*94.4*	*25-200*				
Surrogate: M9PFNA	*19.0*		"	*25.0*		*76.1*	*25-150*				
Surrogate: M2-4:2 FTS	*129*		"	*93.8*		*137*	*25-150*				
Surrogate: d-N-MeFOSA	*29.1*		"	*50.0*		*58.3*	*25-150*				
Surrogate: d-N-EtFOSA	*22.4*		"	*50.0*		*44.8*	*25-150*				
Surrogate: M3HFPO-DA	*191*		"	*200*		*95.3*	*25-150*				
Surrogate: d9-N-EtFOSE	*169*		"	*500*		*33.8*	*25-150*				
Surrogate: d7-N-MeFOSE	*227*		"	*500*		*45.5*	*25-150*				
Duplicate (BE40339-DUP1)	*Source sample: 24D1820-02 (FMW-24)						Prepared: 05/06/2024 Analyzed: 05/08/2024				
Perfluorobutanesulfonic acid (PFBS)	2.17	1.91	ng/L		2.33				6.91	30	
Perfluorohexanoic acid (PFHxA)	4.09	2.16	"		3.46				16.7	30	
Perfluoroheptanoic acid (PFHpA)	3.16	2.16	"		2.90				8.44	30	
Perfluorohexanesulfonic acid (PFHxS)	3.91	1.98	"		3.42				13.4	30	
Perfluorooctanoic acid (PFOA)	17.9	2.16	"		18.3				2.22	30	
Perfluorooctanesulfonic acid (PFOS)	3.38	2.01	"		ND					30	
Perfluorononanoic acid (PFNA)	1.58	2.16	"		0.628				86.2	30	Non-dir.
Perfluorodecanoic acid (PFDA)	ND	2.16	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	2.16	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	2.16	"		ND					30	
Perfluorotridecanoic acid (PFTrDA)	ND	2.16	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	2.16	"		ND					30	
N-MeFOSAA	ND	2.16	"		ND					30	
N-EtFOSAA	ND	2.16	"		ND					30	
Perfluoropentanoic acid (PFPeA)	3.21	4.32	"		3.24				0.740	30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.16	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.06	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.08	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	8.20	"		3.72					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	8.29	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	7.17	8.63	"		ND					30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.84	"		ND					30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.32	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.32	"		ND					30	

Batch BE40339 - EPA 1633 Prep

Duplicate (BE40339-DUP1) *Source sample: 24D1820-02 (FMW-24) Prepared: 05/06/2024 Analyzed: 05/08/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.32	ng/L		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	2.03	"		ND					30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	8.09	"		ND					30	
HFPO-DA (Gen-X)	ND	8.63	"		ND					30	
11CL-PF3OUdS	ND	8.16	"		ND					30	
9CL-PF3ONS	ND	8.07	"		ND					30	
ADONA	ND	8.16	"		ND					30	
Perfluorododecanesulfonic acid (PFDoS)	ND	2.09	"		ND					30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	2.07	"		ND					30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.40	"		ND					30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	27.0	"		ND					30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	27.0	"		ND					30	
N-MeFOSE	ND	21.6	"		ND					30	
N-MeFOSA	ND	2.16	"		ND					30	
N-EtFOSE	ND	21.6	"		ND					30	
N-EtFOSA	ND	2.16	"		ND					30	
Surrogate: M3PFBS	*24.4*		"	*25.1*		*97.1*	*25-150*				
Surrogate: M5PFHxA	*24.6*		"	*27.0*		*91.3*	*25-150*				
Surrogate: M4PFHpA	*32.3*		"	*27.0*		*120*	*25-150*				
Surrogate: M3PFHxS	*23.9*		"	*25.6*		*93.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*19.9*		"	*27.0*		*73.9*	*25-150*				
Surrogate: M6PFDA	*13.2*		"	*13.5*		*98.2*	*25-150*				
Surrogate: M7PFUdA	*7.75*		"	*13.5*		*57.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.45*		"	*13.5*		*40.4*	*25-150*				
Surrogate: M2PFTeDA	*7.04*		"	*13.5*		*52.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*45.0*		"	*108*		*41.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*29.7*		"	*25.8*		*115*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*57.1*		"	*54.0*		*106*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*12.6*		"	*27.0*		*46.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*16.8*		"	*54.0*		*31.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*18.7*		"	*54.0*		*34.6*	*25-150*				
Surrogate: M2-6:2 FTS	*121*		"	*51.3*		*235*	*25-200*				
Surrogate: M2-8:2 FTS	*38.0*		"	*51.8*		*73.3*	*25-200*				
Surrogate: M9PFNA	*11.7*		"	*13.5*		*87.0*	*25-150*				
Surrogate: M2-4:2 FTS	*147*		"	*50.6*		*291*	*25-150*				
Surrogate: d-N-MeFOSA	*9.24*		"	*27.0*		*34.2*	*25-150*				
Surrogate: d-N-EtFOSA	*9.25*		"	*27.0*		*34.3*	*25-150*				
Surrogate: M3HFPO-DA	*108*		"	*108*		*99.8*	*25-150*				
Surrogate: d9-N-EtFOSE	*101*		"	*270*		*37.4*	*25-150*				
Surrogate: d7-N-MeFOSE	*123*		"	*270*		*45.4*	*25-150*				

Batch BE40468 - EPA 1633 Prep

Blank (BE40468-BLK1) Prepared: 05/07/2024 Analyzed: 05/08/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	*32.7*		*"*	*46.6*		*70.3*	*25-150*				
Surrogate: M5PFHxA	*40.3*		*"*	*50.0*		*80.7*	*25-150*				
Surrogate: M4PFHpA	*62.2*		*"*	*50.0*		*124*	*25-150*				
Surrogate: M3PFHxS	*41.8*		*"*	*47.4*		*88.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*39.1*		*"*	*50.0*		*78.3*	*25-150*				
Surrogate: M6PFDA	*25.4*		*"*	*25.0*		*101*	*25-150*				

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

York Analytical Laboratories, Inc. - Stratford

Batch BE40468 - EPA 1633 Prep

Blank (BE40468-BLK1) Prepared: 05/07/2024 Analyzed: 05/08/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Surrogate: M7PFUdA	*19.3*		*ng/L*	*25.0*		*77.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*12.2*		"	*25.0*		*48.6*	*25-150*				
Surrogate: M2PFTeDA	*13.0*		"	*25.0*		*52.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.04*		"	*200*		*1.52*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*44.8*		"	*47.9*		*93.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*27.3*		"	*100*		*27.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*35.3*		"	*50.0*		*70.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.5*		"	*100*		*59.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*55.3*		"	*100*		*55.3*	*25-150*				
Surrogate: M2-6:2 FTS	*142*		"	*95.1*		*149*	*25-200*				
Surrogate: M2-8:2 FTS	*72.8*		"	*96.0*		*75.9*	*25-200*				
Surrogate: M9PFNA	*23.7*		"	*25.0*		*94.8*	*25-150*				
Surrogate: M2-4:2 FTS	*143*		"	*93.8*		*153*	*25-150*				
Surrogate: d-N-MeFOSA	*25.4*		"	*50.0*		*50.9*	*25-150*				
Surrogate: d-N-EtFOSA	*21.5*		"	*50.0*		*42.9*	*25-150*				
Surrogate: M3HFPO-DA	*178*		"	*200*		*88.9*	*25-150*				
Surrogate: d9-N-EtFOSE	*186*		"	*500*		*37.1*	*25-150*				
Surrogate: d7-N-MeFOSE	*242*		"	*500*		*48.3*	*25-150*				

LCS (BE40468-BS1) Prepared: 05/07/2024 Analyzed: 05/08/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	69.4	3.54	ng/L	70.8		98.0	50-150				
Perfluorohexanoic acid (PFHxA)	79.4	4.00	"	80.0		99.3	50-150				
Perfluoroheptanoic acid (PFHpA)	51.0	4.00	"	80.0		63.7	50-150				
Perfluorohexanesulfonic acid (PFHxS)	73.3	3.66	"	73.2		100	50-150				
Perfluorooctanoic acid (PFOA)	80.0	4.00	"	80.0		100	50-150				
Perfluorooctanesulfonic acid (PFOS)	63.2	3.72	"	74.4		85.0	50-150				
Perfluorononanoic acid (PFNA)	61.6	4.00	"	80.0		77.0	50-150				
Perfluorodecanoic acid (PFDA)	86.2	4.00	"	80.0		108	50-150				
Perfluoroundecanoic acid (PFUnA)	94.3	4.00	"	80.0		118	50-150				
Perfluorododecanoic acid (PFDoA)	87.7	4.00	"	80.0		110	50-150				
Perfluorotridecanoic acid (PFTrDA)	105	4.00	"	80.0		131	50-150				
Perfluorotetradecanoic acid (PFTA)	72.9	4.00	"	80.0		91.1	50-150				
N-MeFOSAA	82.5	4.00	"	80.0		103	50-150				
N-EtFOSAA	85.1	4.00	"	80.0		106	50-150				
Perfluoropentanoic acid (PFPeA)	155	8.00	"	160		96.9	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	78.5	4.00	"	80.0		98.1	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	62.4	3.82	"	76.4		81.7	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	58.3	3.86	"	77.2		75.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	335	15.2	"	304		110	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	307	15.4	"	307		100	50-150				
Perfluoro-n-butanoic acid (PFBA)	158	16.0	"	320		49.3	50-150	Low Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	134	7.12	"	142		94.4	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	111	8.00	"	160		69.3	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	13.0	8.00	"	160		8.12	50-150	Low Bias			

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40468 - EPA 1633 Prep											
LCS (BE40468-BS1)							Prepared: 05/07/2024 Analyzed: 05/08/2024				
Perfluoro-5-oxahexanoic acid (PFMBA)	290	8.00	ng/L	160		182	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	67.0	3.76	"	75.2		89.0	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	327	15.0	"	300		109	50-150				
HFPO-DA (Gen-X)	135	16.0	"	160		84.2	50-150				
11CL-PF3OUdS	131	15.1	"	151		86.9	50-150				
9CL-PF3ONS	143	15.0	"	150		95.9	50-150				
ADONA	168	15.1	"	151		111	50-150				
Perfluorododecanesulfonic acid (PFDoS)	37.5	3.88	"	77.6		48.4	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	55.2	3.84	"	76.8		71.9	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	158	10.0	"	320		49.5	50-150	Low Bias			
3-Perfluoropentyl propanoic acid (FPePA)	1930	50.0	"	1600		121	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	2520	50.0	"	1600		157	50-150	High Bias			
N-MeFOSE	632	40.0	"	800		79.0	50-150				
N-MeFOSA	76.9	4.00	"	80.0		96.1	50-150				
N-EtFOSE	876	40.0	"	800		110	50-150				
N-EtFOSA	99.4	4.00	"	80.0		124	50-150				
Surrogate: M3PFBS	*24.3*		"	*46.6*		*52.1*	*25-150*				
Surrogate: M5PFHxA	*34.1*		"	*50.0*		*68.2*	*25-150*				
Surrogate: M4PFHpA	*58.0*		"	*50.0*		*116*	*25-150*				
Surrogate: M3PFHxS	*37.6*		"	*47.4*		*79.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*35.8*		"	*50.0*		*71.6*	*25-150*				
Surrogate: M6PFDA	*20.0*		"	*25.0*		*80.2*	*25-150*				
Surrogate: M7PFUdA	*16.0*		"	*25.0*		*64.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*9.70*		"	*25.0*		*38.8*	*25-150*				
Surrogate: M2PFTeDA	*3.72*		"	*25.0*		*14.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.90*		"	*200*		*0.950*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*42.9*		"	*47.9*		*89.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*16.2*		"	*100*		*16.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*31.3*		"	*50.0*		*62.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*51.1*		"	*100*		*51.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*45.3*		"	*100*		*45.3*	*25-150*				
Surrogate: M2-6:2 FTS	*150*		"	*95.1*		*158*	*25-200*				
Surrogate: M2-8:2 FTS	*80.8*		"	*96.0*		*84.2*	*25-200*				
Surrogate: M9PFNA	*20.8*		"	*25.0*		*83.1*	*25-150*				
Surrogate: M2-4:2 FTS	*113*		"	*93.8*		*120*	*25-150*				
Surrogate: d-N-MeFOSA	*12.6*		"	*50.0*		*25.3*	*25-150*				
Surrogate: d-N-EtFOSA	*9.07*		"	*50.0*		*18.1*	*25-150*				
Surrogate: M3HFPO-DA	*150*		"	*200*		*75.1*	*25-150*				
Surrogate: d9-N-EtFOSE	*98.5*		"	*500*		*19.7*	*25-150*				
Surrogate: d7-N-MeFOSE	*138*		"	*500*		*27.6*	*25-150*				

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

York Analytical Laboratories, Inc. - Stratford

Batch BE40468 - EPA 1633 Prep

LCS (BE40468-BS2) Prepared: 05/07/2024 Analyzed: 05/08/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	14.3	3.54	ng/L	14.2		101	50-150				
Perfluorohexanoic acid (PFHxA)	17.9	4.00	"	16.0		112	50-150				
Perfluoroheptanoic acid (PFHpA)	11.4	4.00	"	16.0		71.1	50-150				
Perfluorohexanesulfonic acid (PFHxS)	15.8	3.66	"	14.6		108	50-150				
Perfluorooctanoic acid (PFOA)	18.7	4.00	"	16.0		117	50-150				
Perfluorooctanesulfonic acid (PFOS)	13.5	3.72	"	14.9		90.6	50-150				
Perfluorononanoic acid (PFNA)	16.3	4.00	"	16.0		102	50-150				
Perfluorodecanoic acid (PFDA)	21.3	4.00	"	16.0		133	50-150				
Perfluoroundecanoic acid (PFUnA)	21.7	4.00	"	16.0		135	50-150				
Perfluorododecanoic acid (PFDoA)	18.4	4.00	"	16.0		115	50-150				
Perfluorotridecanoic acid (PFTrDA)	32.3	4.00	"	16.0		202	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	15.5	4.00	"	16.0		96.8	50-150				
N-MeFOSAA	18.0	4.00	"	16.0		112	50-150				
N-EtFOSAA	18.2	4.00	"	16.0		114	50-150				
Perfluoropentanoic acid (PFPeA)	32.6	8.00	"	32.0		102	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	16.7	4.00	"	16.0		104	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	14.5	3.82	"	15.3		94.9	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	12.0	3.86	"	15.4		78.0	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	76.2	15.2	"	60.8		125	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	62.8	15.4	"	61.4		102	50-150				
Perfluoro-n-butanoic acid (PFBA)	59.6	16.0	"	64.0		93.1	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	29.7	7.12	"	28.5		104	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	30.1	8.00	"	32.0		94.1	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	5.53	8.00	"	32.0		17.3	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	50.7	8.00	"	32.0		158	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	15.6	3.76	"	15.0		104	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	69.3	15.0	"	60.0		116	50-150				
HFPO-DA (Gen-X)	34.6	16.0	"	32.0		108	50-150				
11CL-PF3OUdS	29.2	15.1	"	30.2		96.6	50-150				
9CL-PF3ONS	28.4	15.0	"	29.9		95.0	50-150				
ADONA	33.3	15.1	"	30.2		110	50-150				
Perfluorododecanesulfonic acid (PFDoS)	14.3	3.88	"	15.5		92.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	12.8	3.84	"	15.4		83.4	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	40.6	10.0	"	64.0		63.5	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	422	50.0	"	320		132	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	537	50.0	"	320		168	50-150	High Bias			
N-MeFOSE	155	40.0	"	160		96.7	50-150				
N-MeFOSA	17.8	4.00	"	16.0		111	50-150				
N-EtFOSE	198	40.0	"	160		124	50-150				
N-EtFOSA	19.4	4.00	"	16.0		122	50-150				
Surrogate: M3PFBS	*30.1*		"	*46.6*		*64.6*	*25-150*				
Surrogate: M5PFHxA	*34.4*		"	*50.0*		*68.7*	*25-150*				
Surrogate: M4PFHpA	*57.8*		"	*50.0*		*116*	*25-150*				
Surrogate: M3PFHxS	*38.9*		"	*47.4*		*82.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*33.7*		"	*50.0*		*67.4*	*25-150*				
Surrogate: M6PFDA	*20.8*		"	*25.0*		*83.4*	*25-150*				

Batch BE40468 - EPA 1633 Prep

LCS (BE40468-BS2) Prepared: 05/07/2024 Analyzed: 05/08/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Surrogate: M7PFUdA	*17.6*		*ng/L*	*25.0*		*70.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*11.9*		*"*	*25.0*		*47.5*	*25-150*				
Surrogate: M2PFTeDA	*5.93*		*"*	*25.0*		*23.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.32*		*"*	*200*		*1.66*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*44.7*		*"*	*47.9*		*93.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*25.8*		*"*	*100*		*25.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.3*		*"*	*50.0*		*64.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*47.9*		*"*	*100*		*47.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*45.7*		*"*	*100*		*45.7*	*25-150*				
Surrogate: M2-6:2 FTS	*155*		*"*	*95.1*		*163*	*25-200*				
Surrogate: M2-8:2 FTS	*82.0*		*"*	*96.0*		*85.4*	*25-200*				
Surrogate: M9PFNA	*17.5*		*"*	*25.0*		*69.9*	*25-150*				
Surrogate: M2-4:2 FTS	*125*		*"*	*93.8*		*133*	*25-150*				
Surrogate: d-N-MeFOSA	*21.0*		*"*	*50.0*		*42.0*	*25-150*				
Surrogate: d-N-EtFOSA	*13.8*		*"*	*50.0*		*27.5*	*25-150*				
Surrogate: M3HFPO-DA	*157*		*"*	*200*		*78.6*	*25-150*				
Surrogate: d9-N-EtFOSE	*138*		*"*	*500*		*27.5*	*25-150*				
Surrogate: d7-N-MeFOSE	*218*		*"*	*500*		*43.5*	*25-150*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24D1820-01	MW-59D	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1820-05	FMW-40	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1820-06	FMW-31	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1820-08	FMW-23	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1820-09	MW-53	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1820-10	Field 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-L	The CCV recovery for this PFAS compound was below 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).
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 Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document
This 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 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YORK Project No. 24D1820

Page 1 of 2

YOUR Information	Report To:	Invoice To:
Company: WSP	Company:	Company:
Address: 500 Summit Lake Dr Valhalla NY 10595	Address: Same	Address: Same
Phone: 914 329 1342	Phone:	Phone:
Contact: John Benvegna	Contact:	Contact:
E-mail: John.Benvegna@wsp.com	E-mail:	E-mail: Same

YOUR Project Number: 31402218-000

YOUR Project Name: Westchester County Airport (WCA)

YOUR PO#:

Turn-Around Time

- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- RUSH - Five Day ☐
- **Standard (6-9 Day)** ☒

PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Mike Reiff

Samples Collected by: (print AND sign your name)

Matrix Codes

- S - soil / solid
- [✓ GW - groundwater]
- DW - drinking water
- WW - wastewater
- O - Oil
- Other

Samples From

- New York ☒
- New Jersey ☐
- Connecticut ☐
- Pennsylvania ☐
- Other:

Report / EDD Type (circle selections)

- Summary Report
- QA Report
- CMDP
- Standard Excel EDD
- [✓ NY ASP B Package]
- CT RCP
- CT RCP DQA/DUE
- NJDEP Reduced Deliverables
- Other:
- EQuIS (Standard)
- [✓ NYSDEC EQuIS]
- NJDKQP
- NJDEP SRP HazSite

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested		Container Type	No.
	GW		PFAS 1633	8260 Full list	2P 3V	
MW-59D	↓	4/26/26 1010	x	x	2 3	5
FMW-24		↓ 1050	x		2	2
FMW-22		1120	x		2	2
FMW-35		1210	x		2	2
FMW-40		1230	x	x	2 3	5
FMW-31		1300	x	x	2 3	5
MW-16		1340	x		2	2
FMW-23		1430	x	x	2 3	5
MW-53		1530	x	x	2 3	5

Comments:

Preservation: (check all that apply)

HCl ____ MeOH ____ HNO3 ____ H2SO4 ____ NaOH ____
ZnAc ____ Ascorbic Acid ____ Other: ____

Special Instruction

- Field Filtered ☐
- Lab to Filter ☐

Samples iced/chilled at time of lab pickup? circle Yes or No

Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	4/26/24 1600	Marcel S / York	4/29/24 9:21	Marcel S / York	4/29/24 1244
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
					4/29/24 12:44

Temperature: 5.7 Degrees C

YORK
ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This 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.

YORK Project No. 24D1820

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

Page 2 of 2

YOUR Information	Report To:	Invoice To:
Company: WSP	Company:	Company:
Address: 500 Summit Lake Dr Valhalla NY	Address: S	Address: S
Phone: 914 329 1392	Phone: a	Phone: a
Contact: John Benvegna	Contact: M	Contact: M
E-mail: John.Benvegna@wsp.com	E-mail: e	E-mail: e

YOUR Project Number 31402218.000

YOUR Project Name Westchester County Airport (WCA)

YOUR PO#:

Turn-Around Time

- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- RUSH - Five Day ☐
- Standard (6-9 Day) ☒

PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Mike Reiff

Samples Collected by: (print AND sign your name)

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil
Other

Samples From
New York ☐
New Jersey ☐
Connecticut ☐
Pennsylvania ☐
Other:

Report / EDD Type (circle selections)
Summary Report
QA Report
CMDP
Standard Excel EDD
NY ASP B Package
CT RCP
CT RCP DQA/DUE
NJDEP Reduced Deliverables
Other:
EQuIS (Standard)
NYSDEC EQuIS
NJDKQP
NJDEP SRP HazSite

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
Field Blank	DI	4/26 1545	PFAS 1633 8260 Full list	P, U	5
Trip Blank	✓	— —	~~E~~ MR ✓	P, U	5

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ☐
Lab to Filter ☐

1. Samples Relinquished by / Company	Date/Time 4/26/24 1600	1. Samples Received by / Company Marcel York	Date/Time 4/29/24 9:21	2. Samples Relinquished by / Company Marcel York	Date/Time 4/29/24 1244
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time 4/29/24 12:44 Temperature 5.7°C Degrees C

Technical Report

prepared for:

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

Report Date: 05/14/2024
Client Project ID: 31402218.000 - Westchester County Airport (WCA)
York Project (SDG) No.: 24D1902

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

Report Date: 05/14/2024
Client Project ID: 31402218.000 - Westchester County Airport (WCA)
York Project (SDG) No.: 24D1902

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 April 30, 2024 and listed below. The project was identified as your project: **31402218.000 - Westchester County Airport (WCA)**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24D1902-01	**MW-56D**	**Ground Water**	**04/29/2024**	**04/30/2024**
24D1902-02	**MW-54S**	**Ground Water**	**04/29/2024**	**04/30/2024**
24D1902-03	**MW-54D**	**Ground Water**	**04/29/2024**	**04/30/2024**
24D1902-04	**MW-55S**	**Ground Water**	**04/29/2024**	**04/30/2024**
24D1902-05	**MW-55D**	**Ground Water**	**04/29/2024**	**04/30/2024**
24D1902-06	**MW-56S**	**Ground Water**	**04/29/2024**	**04/30/2024**
24D1902-07	**MW-60**	**Ground Water**	**04/29/2024**	**04/30/2024**
24D1902-08	**Field Blank**	**Ground Water**	**04/29/2024**	**04/30/2024**

General Notes for York Project (SDG) No.: 24D1902

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 **Date:** 05/14/2024

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: MW-56D

York Sample ID: 24D1902-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 10:30 am	04/30/2024

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	0.512	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**0.872**	J	ng/L	0.381	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CCV -L	ng/L	0.774	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**2.27**		ng/L	0.741	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.458	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**1.05**	J	ng/L	0.894	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.567	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.817	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.23	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.959	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.807	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.752	2.18	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.861	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.12	2.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**1.08**	J	ng/L	0.251	4.36	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.959	2.18	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.992	2.08	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.44	2.10	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.16	8.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.23	8.37	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.360	8.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.545	3.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 16:04	ER

Sample Information

Client Sample ID: **MW-56D**

York Sample ID: **24D1902-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 10:30 am	04/30/2024

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	2.33	4.36	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 16:04	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.272	4.36	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 16:04	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.403	4.36	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 16:04	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.828	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.95	8.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.52	8.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.50	8.24	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.763	8.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
919005-14-4	ADONA	ND		ng/L	0.578	8.24	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.01	2.11	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:04	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.937	2.09	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:04	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.21	5.45	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:04	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.99	27.2	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:04	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.3	27.2	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:04	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.35	21.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:04	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.72	2.18	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:04	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.35	21.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:04	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.96	2.18	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:04	ER

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*79.9 %*	*25-150*
Surrogate: M5PFHxA	*82.8 %*	*25-150*
Surrogate: M4PFHpA	*122 %*	*25-150*
Surrogate: M3PFHxS	*92.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*77.5 %*	*25-150*
Surrogate: M6PFDA	*92.0 %*	*25-150*
Surrogate: M7PFUdA	*61.6 %*	*25-150*

Sample Information

Client Sample ID: **MW-56D** **York Sample ID:** **24D1902-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 10:30 am	04/30/2024

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: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*35.1 %*			*25-150*						
	Surrogate: M2PFTeDA	*19.0 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.31 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*89.5 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*29.8 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*70.6 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*55.9 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*40.8 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*151 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*71.8 %*			*25-200*						
	Surrogate: M9PFNA	*99.2 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*164 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*56.7 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*39.2 %*			*25-150*						
	Surrogate: M3HFPO-DA	*86.7 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*7.62 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*15.9 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID: **MW-54S** **York Sample ID:** **24D1902-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 11:00 am	04/30/2024

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	0.460	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**1.65**	J	ng/L	0.342	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CCV-L	ng/L	0.695	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**1.61**	J	ng/L	0.665	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER

Sample Information

Client Sample ID: **MW-54S** **York Sample ID:** **24D1902-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 11:00 am	04/30/2024

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)**	**0.485**	J	ng/L	0.411	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**3.17**		ng/L	0.802	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.509	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.734	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.11	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.861	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.724	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.675	1.96	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.773	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.01	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**3.02**	J	ng/L	0.225	3.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.861	1.96	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.890	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.29	1.89	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**1.21**	J	ng/L	1.04	7.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.01	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.323	7.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.489	3.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 16:20	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.09	3.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 16:20	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.245	3.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 16:20	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.362	3.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 16:20	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.744	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.75	7.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER

Sample Information

Client Sample ID: MW-54S **York Sample ID:** 24D1902-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 11:00 am	04/30/2024

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	3.16	7.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.35	7.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.685	7.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
919005-14-4	ADONA	ND		ng/L	0.519	7.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.910	1.90	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:20	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.842	1.88	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:20	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.99	4.89	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:20	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.17	24.5	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:20	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.27	24.5	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:20	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.90	19.6	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:20	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.55	1.96	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:20	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.90	19.6	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:20	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.76	1.96	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:20	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*104 %*		*25-150*
Surrogate: M5PFHxA	*102 %*		*25-150*
Surrogate: M4PFHpA	*154 %*	PFSu-H	*25-150*
Surrogate: M3PFHxS	*98.1 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.1 %*		*25-150*
Surrogate: M6PFDA	*59.7 %*		*25-150*
Surrogate: M7PFUdA	*33.9 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*12.7 %*	PFSu-L	*25-150*
Surrogate: M2PFTeDA	*3.98 %*	PFSu-L	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*15.9 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*69.2 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*93.4 %*		*25-150*

Sample Information

Client Sample ID: **MW-54S** **York Sample ID:** **24D1902-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 11:00 am	04/30/2024

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: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*52.9 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*29.4 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*25.1 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*167 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*52.4 %*			*25-200*						
	Surrogate: M9PFNA	*74.4 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*226 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*18.0 %*	PFSu-L		*25-150*						
	Surrogate: d-N-EtFOSA	*9.52 %*	PFSu-L		*25-150*						
	Surrogate: M3HFPO-DA	*117 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*0.213 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*2.10 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID: **MW-54D** **York Sample ID:** **24D1902-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 11:35 am	04/30/2024

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)**	**34.4**		ng/L	0.469	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**403**		ng/L	0.349	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**131**	PF-CCV-L	ng/L	0.708	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**411**		ng/L	0.678	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**92.9**		ng/L	0.419	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**277**		ng/L	0.818	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**43.1**		ng/L	0.519	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.748	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER

Sample Information

Client Sample ID: **MW-54D** **York Sample ID:** **24D1902-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 11:35 am	04/30/2024

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	1.13	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.878	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.738	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.688	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.788	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**764**		ng/L	0.229	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.878	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**12.3**		ng/L	0.908	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.32	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**544**		ng/L	10.6	76.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/10/2024 13:55	05/12/2024 12:32	ESJ
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	05/06/2024 10:15	05/07/2024 16:52	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**172**		ng/L	0.329	7.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.499	3.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 16:52	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.13	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 16:52	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.249	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 16:52	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.369	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 16:52	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**65.1**		ng/L	0.758	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.79	7.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.22	7.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.38	7.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.698	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
919005-14-4	ADONA	ND		ng/L	0.529	7.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER

Sample Information

Client Sample ID: MW-54D

York Sample ID: 24D1902-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 11:35 am	04/30/2024

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	0.928	1.94	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:52	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.858	1.92	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 16:52	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.03	4.99	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:52	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.31	24.9	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:52	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.45	24.9	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:52	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.98	20.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:52	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.58	2.00	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:52	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.98	20.0	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:52	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.80	2.00	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 16:52	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*98.1 %*		*25-150*
Surrogate: M3PFBS	*112 %*		*25-150*
Surrogate: M5PFHxA	*98.8 %*		*25-150*
Surrogate: M5PFHxA	*111 %*		*25-150*
Surrogate: M4PFHpA	*114 %*		*25-150*
Surrogate: M4PFHpA	*130 %*		*25-150*
Surrogate: M3PFHxS	*120 %*		*25-150*
Surrogate: M3PFHxS	*105 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*109 %*		*25-150*
Surrogate: M6PFDA	*118 %*		*25-150*
Surrogate: M6PFDA	*93.6 %*		*25-150*
Surrogate: M7PFUdA	*94.9 %*		*25-150*
Surrogate: M7PFUdA	*57.6 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*29.0 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*76.9 %*		*25-150*
Surrogate: M2PFTeDA	*68.9 %*		*10-150*
Surrogate: M2PFTeDA	*18.5 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*2.98 %*	PFSu-L	*25-150*

Sample Information

Client Sample ID: **MW-54D** **York Sample ID:** **24D1902-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 11:35 am	04/30/2024

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: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*0.817 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*128 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*97.5 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*61.8 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*52.4 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*111 %*			*10-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*81.0 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*97.5 %*			*25-150*						
	Surrogate: d3-N-MeFOSAA	*55.6 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*105 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*43.6 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*109 %*			*25-200*						
	Surrogate: M2-6:2 FTS	*266 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*86.4 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*95.5 %*			*25-200*						
	Surrogate: M9PFNA	*106 %*			*25-150*						
	Surrogate: M9PFNA	*91.6 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*81.5 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*207 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*110 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*63.0 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*117 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*38.8 %*			*25-150*						
	Surrogate: M3HFPO-DA	*124 %*			*25-150*						
	Surrogate: M3HFPO-DA	*109 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*68.1 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*15.2 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*77.8 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*29.7 %*			*25-150*						

Sample Information

Client Sample ID: MW-55S **York Sample ID:** 24D1902-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 12:30 pm	04/30/2024

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)**	**29.0**		ng/L	0.504	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**122**		ng/L	0.375	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**14.6**	PF-CCV-L	ng/L	0.761	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**502**		ng/L	0.729	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**54.0**		ng/L	0.450	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**639**	PF-LCS-H	ng/L	4.10	9.30	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/10/2024 13:55	05/12/2024 12:45	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**18.6**		ng/L	0.557	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.804	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.21	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.943	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.793	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.739	2.14	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.846	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.10	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**75.0**		ng/L	0.246	4.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.943	2.14	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**13.2**		ng/L	0.975	2.05	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.41	2.07	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**1.14**	J	ng/L	1.14	8.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.20	8.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**49.4**		ng/L	0.354	8.57	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.536	3.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:08	ER

Sample Information

Client Sample ID: MW-55S

York Sample ID: 24D1902-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 12:30 pm	04/30/2024

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	2.29	4.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:08	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.268	4.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:08	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.396	4.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:08	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**58.4**		ng/L	0.814	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.92	8.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.46	8.57	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.48	8.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.750	8.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
919005-14-4	ADONA	ND		ng/L	0.568	8.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.996	2.08	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:08	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.921	2.06	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:08	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.18	5.36	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:08	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.85	26.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:08	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.1	26.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:08	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.28	21.4	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:08	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.69	2.14	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:08	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.28	21.4	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:08	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.93	2.14	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:08	ER

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*131 %*	*25-150*
Surrogate: M3PFBS	*96.8 %*	*25-150*
Surrogate: M5PFHxA	*127 %*	*25-150*
Surrogate: M5PFHxA	*92.3 %*	*25-150*
Surrogate: M4PFHpA	*131 %*	*25-150*
Surrogate: M4PFHpA	*134 %*	*25-150*
Surrogate: M3PFHxS	*130 %*	*25-150*
Surrogate: M3PFHxS	*98.4 %*	*25-150*

Sample Information

Client Sample ID: **MW-55S** **York Sample ID:** **24D1902-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 12:30 pm	04/30/2024

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: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*74.0 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*130 %*			*25-150*						
	Surrogate: M6PFDA	*114 %*			*25-150*						
	Surrogate: M6PFDA	*85.8 %*			*25-150*						
	Surrogate: M7PFUdA	*113 %*			*25-150*						
	Surrogate: M7PFUdA	*64.8 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*42.5 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*85.6 %*			*25-150*						
	Surrogate: M2PFTeDA	*50.0 %*			*10-150*						
	Surrogate: M2PFTeDA	*38.5 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*15.1 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.09 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*121 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*98.2 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*84.9 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*73.8 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*96.9 %*			*10-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*74.8 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*102 %*			*25-150*						
	Surrogate: d3-N-MeFOSAA	*60.6 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*84.0 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*51.7 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*123 %*			*25-200*						
	Surrogate: M2-6:2 FTS	*251 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*52.7 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*91.6 %*			*25-200*						
	Surrogate: M9PFNA	*102 %*			*25-150*						
	Surrogate: M9PFNA	*88.7 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*147 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*454 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*98.5 %*			*25-150*						

Sample Information

Client Sample ID: **MW-55S** **York Sample ID:** **24D1902-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 12:30 pm	04/30/2024

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: d-N-MeFOSA	*55.8 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*89.4 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*46.6 %*			*25-150*						
	Surrogate: M3HFPO-DA	*127 %*			*25-150*						
	Surrogate: M3HFPO-DA	*97.0 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*41.5 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*34.3 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*59.9 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*42.5 %*			*25-150*						

Sample Information

Client Sample ID: **MW-55D** **York Sample ID:** **24D1902-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 12:45 pm	04/30/2024

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)**	**29.1**		ng/L	0.444	1.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**58.8**		ng/L	0.331	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**5.34**	PF-CCV-L	ng/L	0.671	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**589**		ng/L	3.21	8.64	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/08/2024 12:13	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**19.5**		ng/L	0.397	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**462**		ng/L	0.775	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**17.5**		ng/L	0.491	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.708	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.07	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.831	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER

Sample Information

Client Sample ID: **MW-55D**

York Sample ID: **24D1902-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 12:45 pm	04/30/2024

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 (PFTrDA)	ND		ng/L	0.699	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.652	1.89	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.746	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
2991-50-6	N-EtFOSAA	ND		ng/L	0.973	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**21.0**		ng/L	0.217	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.831	1.89	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**9.58**		ng/L	0.860	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.25	1.82	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.00	7.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.94	7.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**10.4**		ng/L	0.312	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.472	3.36	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:24	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.02	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:24	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.236	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:24	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.349	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:24	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**77.7**		ng/L	0.718	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.69	7.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.05	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.30	7.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.661	7.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
919005-14-4	ADONA	ND		ng/L	0.501	7.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.878	1.83	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:24	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.812	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:24	ER

Sample Information

Client Sample ID: **MW-55D**

York Sample ID: **24D1902-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 12:45 pm	04/30/2024

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	1.92	4.72	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:24	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.92	23.6	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:24	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.95	23.6	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:24	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.77	18.9	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:24	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.49	1.89	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:24	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.77	18.9	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:24	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.70	1.89	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:24	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*97.9 %*		*25-150*
Surrogate: M3PFBS	*108 %*		*25-150*
Surrogate: M5PFHxA	*85.8 %*		*25-150*
Surrogate: M5PFHxA	*90.8 %*		*25-150*
Surrogate: M4PFHpA	*132 %*		*25-150*
Surrogate: M4PFHpA	*126 %*		*25-150*
Surrogate: M3PFHxS	*92.6 %*		*25-150*
Surrogate: M3PFHxS	*91.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.3 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*67.5 %*		*25-150*
Surrogate: M6PFDA	*79.3 %*		*25-150*
Surrogate: M6PFDA	*71.6 %*		*25-150*
Surrogate: M7PFUdA	*62.5 %*		*25-150*
Surrogate: M7PFUdA	*49.8 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*23.8 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*22.9 %*	PFSu-L	*25-150*
Surrogate: M2PFTeDA	*21.5 %*		*10-150*
Surrogate: M2PFTeDA	*13.3 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*15.8 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*17.3 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.1 %*		*25-150*

Sample Information

Client Sample ID:	**MW-55D**	**York Sample ID:**	**24D1902-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 12:45 pm	04/30/2024

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: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*88.7 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*88.5 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*87.3 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*70.2 %*			*10-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*64.8 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*48.3 %*			*25-150*						
	Surrogate: d3-N-MeFOSAA	*48.5 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*43.0 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*35.7 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*164 %*			*25-200*						
	Surrogate: M2-6:2 FTS	*197 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*78.0 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*86.6 %*			*25-200*						
	Surrogate: M9PFNA	*55.1 %*			*25-150*						
	Surrogate: M9PFNA	*75.2 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*171 %*	PFSu-H		*25-150*						
	Surrogate: M2-4:2 FTS	*244 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*47.4 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*52.1 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*25.6 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*21.1 %*	PFSu-L		*25-150*						
	Surrogate: M3HFPO-DA	*106 %*			*25-150*						
	Surrogate: M3HFPO-DA	*93.0 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*11.3 %*	PFSu-L		*25-150*						
	Surrogate: d9-N-EtFOSE	*10.2 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*18.1 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*19.4 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID:	**MW-56S**	**York Sample ID:**	**24D1902-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 1:30 pm	04/30/2024

PFAS, EPA 1633 Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID:	MW-56S	York Sample ID:	24D1902-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 1:30 pm	04/30/2024

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)**	**13.1**		ng/L	0.474	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**46.3**		ng/L	0.353	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**16.0**	PF-CCV-L	ng/L	0.716	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**98.6**		ng/L	0.686	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**206**		ng/L	0.423	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**115**		ng/L	0.827	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**89.5**		ng/L	0.524	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
335-76-2	**Perfluorodecanoic acid (PFDA)**	**1.55**	J	ng/L	0.756	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**3.41**		ng/L	1.14	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.887	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.746	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.696	2.02	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.797	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.04	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**73.2**		ng/L	0.232	4.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.887	2.02	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**3.97**		ng/L	0.918	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.33	1.95	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**3.72**	J	ng/L	1.07	7.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.07	7.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**37.2**		ng/L	0.333	8.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.504	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:40	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.16	4.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:40	ER

Sample Information

Client Sample ID: **MW-56S**

York Sample ID: **24D1902-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 1:30 pm	04/30/2024

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	0.252	4.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:40	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.373	4.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:40	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**14.0**		ng/L	0.766	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
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	05/06/2024 10:15	05/07/2024 17:40	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.26	8.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.39	7.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.706	7.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
919005-14-4	ADONA	ND		ng/L	0.534	7.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.938	1.96	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:40	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.867	1.94	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:40	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.05	5.04	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:40	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.39	25.2	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:40	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.55	25.2	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:40	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.02	20.2	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:40	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.59	2.02	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:40	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.02	20.2	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:40	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.81	2.02	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:40	ER

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.9 %*	*25-150*
Surrogate: M5PFHxA	*98.9 %*	*25-150*
Surrogate: M4PFHpA	*146 %*	*25-150*
Surrogate: M3PFHxS	*94.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*74.2 %*	*25-150*
Surrogate: M6PFDA	*78.7 %*	*25-150*
Surrogate: M7PFUdA	*70.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*49.5 %*	*25-150*

Sample Information

Client Sample ID: **MW-56S** **York Sample ID:** **24D1902-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 1:30 pm	04/30/2024

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: M2PFTeDA	*44.6 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*43.3 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*101 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*99.6 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*69.9 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*65.0 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*52.5 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*208 %*	PFSu-H		*25-200*						
	Surrogate: M2-8:2 FTS	*95.2 %*			*25-200*						
	Surrogate: M9PFNA	*81.8 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*433 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*50.0 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*32.2 %*			*25-150*						
	Surrogate: M3HFPO-DA	*97.0 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*26.4 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*37.5 %*			*25-150*						

Sample Information

Client Sample ID: **MW-60** **York Sample ID:** **24D1902-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 3:00 pm	04/30/2024

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)**	**68.2**		ng/L	0.486	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**117**		ng/L	0.362	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**39.9**	PF-CCV-L	ng/L	0.734	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**318**		ng/L	0.703	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
335-67-1	**Perfluorooctanoic acid (PFOA)**	**117**		ng/L	0.434	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER

Sample Information

Client Sample ID: **MW-60** **York Sample ID:** **24D1902-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 3:00 pm	04/30/2024

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)**	**225**		ng/L	0.848	1.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
375-95-1	**Perfluorononanoic acid (PFNA)**	**2420**		ng/L	5.20	20.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/10/2024 13:55	05/12/2024 13:09	ESJ
335-76-2	**Perfluorodecanoic acid (PFDA)**	**19.8**		ng/L	0.775	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**62.8**		ng/L	1.17	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.910	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.765	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.713	2.07	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.817	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.06	2.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**144**		ng/L	0.238	4.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.910	2.07	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**11.2**		ng/L	0.941	1.97	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.36	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**90.9**		ng/L	1.10	7.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
39108-34-4	**1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**4.63**	J	ng/L	2.12	7.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.341	8.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.517	3.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:56	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.21	4.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:56	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.258	4.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:56	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.382	4.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 17:56	ER
2706-91-4	**Perfluoro-1-pentanesulfonate (PFPeS)**	**78.0**		ng/L	0.786	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.85	7.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.34	8.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER

Sample Information

Client Sample ID: **MW-60** **York Sample ID:** **24D1902-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 3:00 pm	04/30/2024

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	1.43	7.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.724	7.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
919005-14-4	ADONA	ND		ng/L	0.548	7.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.961	2.01	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:56	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.889	1.98	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 17:56	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.10	5.17	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:56	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.58	25.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:56	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.79	25.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:56	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.12	20.7	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:56	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.63	2.07	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:56	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.12	20.7	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:56	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.86	2.07	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 17:56	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*132 %*		*25-150*
Surrogate: M3PFBS	*95.3 %*		*25-150*
Surrogate: M5PFHxA	*113 %*		*25-150*
Surrogate: M5PFHxA	*105 %*		*25-150*
Surrogate: M4PFHpA	*115 %*		*25-150*
Surrogate: M4PFHpA	*147 %*		*25-150*
Surrogate: M3PFHxS	*134 %*		*25-150*
Surrogate: M3PFHxS	*98.6 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*91.3 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*132 %*		*25-150*
Surrogate: M6PFDA	*109 %*		*25-150*
Surrogate: M6PFDA	*82.9 %*		*25-150*
Surrogate: M7PFUdA	*106 %*		*25-150*
Surrogate: M7PFUdA	*49.6 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*22.4 %*	PFSu-L	*25-150*

Sample Information

Client Sample ID: **MW-60** **York Sample ID:** **24D1902-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 3:00 pm	04/30/2024

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: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*87.4 %*			*25-150*						
	Surrogate: M2PFTeDA	*73.9 %*			*10-150*						
	Surrogate: M2PFTeDA	*14.5 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*2.13 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*0.644 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*98.9 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*105 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*47.4 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*40.3 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*109 %*			*10-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*83.3 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*115 %*			*25-150*						
	Surrogate: d3-N-MeFOSAA	*51.8 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*98.2 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*38.4 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*146 %*			*25-200*						
	Surrogate: M2-6:2 FTS	*198 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*109 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*78.8 %*			*25-200*						
	Surrogate: M9PFNA	*127 %*			*25-150*						
	Surrogate: M9PFNA	*93.3 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*128 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*247 %*	PFSu-H		*25-150*						
	Surrogate: d-N-MeFOSA	*114 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*59.9 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*83.1 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*38.4 %*			*25-150*						
	Surrogate: M3HFPO-DA	*117 %*			*25-150*						
	Surrogate: M3HFPO-DA	*105 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*66.9 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*10.0 %*	PFSu-L		*25-150*						
	Surrogate: d7-N-MeFOSE	*74.0 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*15.5 %*	PFSu-L		*25-150*						

Sample Information

Client Sample ID: **MW-60** **York Sample ID:** **24D1902-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 3:00 pm	04/30/2024

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1902-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 3:15 pm	04/30/2024

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	0.448	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.334	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CCV-L	ng/L	0.677	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.648	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.400	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.782	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.496	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.715	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.08	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.839	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.705	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.658	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.753	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
2991-50-6	N-EtFOSAA	ND		ng/L	0.982	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.219	3.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.839	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.868	1.82	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.26	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.01	7.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **24D1902-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 3:15 pm	04/30/2024

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
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.95	7.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.315	7.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.477	3.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 18:45	ER
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.04	3.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 18:45	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.238	3.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 18:45	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.353	3.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/06/2024 10:15	05/07/2024 18:45	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.725	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.71	7.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.08	7.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.32	7.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.667	7.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
919005-14-4	ADONA	ND		ng/L	0.505	7.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.887	1.85	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 18:45	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.820	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/06/2024 10:15	05/07/2024 18:45	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.94	4.77	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 18:45	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.99	23.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 18:45	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.03	23.8	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 18:45	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.80	19.1	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 18:45	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.51	1.91	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 18:45	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.80	19.1	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 18:45	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.72	1.91	1	EPA 1633 Draft 3 Certifications:	05/06/2024 10:15	05/07/2024 18:45	ER

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*78.4 %*		*25-150*
Surrogate: M5PFHxA	*86.2 %*		*25-150*
Surrogate: M4PFHpA	*155 %*	PFSu-H	*25-150*

Sample Information

Client Sample ID: **Field Blank**

York Sample ID: **24D1902-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1902	31402218.000 - Westchester County Airport (WCA)	Ground Water	April 29, 2024 3:15 pm	04/30/2024

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: M3PFHxS	*112 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*88.7 %*			*25-150*						
	Surrogate: M6PFDA	*102 %*			*25-150*						
	Surrogate: M7PFUdA	*84.8 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*56.3 %*			*25-150*						
	Surrogate: M2PFTeDA	*48.4 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*0.982 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*112 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*22.1 %*	PFSu-L		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*88.0 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*65.0 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*54.2 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*182 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*89.1 %*			*25-200*						
	Surrogate: M9PFNA	*115 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*141 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*77.2 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*54.5 %*			*25-150*						
	Surrogate: M3HFPO-DA	*87.4 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*25.7 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*39.3 %*			*25-150*						

Analytical Batch Summary

Batch ID: BE40363 **Preparation Method:** EPA 1633 Prep **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
24D1902-01	MW-56D	05/06/24
24D1902-02	MW-54S	05/06/24
24D1902-03	MW-54D	05/06/24
24D1902-04	MW-55S	05/06/24
24D1902-05	MW-55D	05/06/24
24D1902-05RE2	MW-55D	05/06/24
24D1902-06	MW-56S	05/06/24
24D1902-07	MW-60	05/06/24
24D1902-08	Field Blank	05/06/24
BE40363-BLK1	Blank	05/06/24
BE40363-BLK2	Blank	05/06/24
BE40363-BS1	LCS	05/06/24
BE40363-BS2	LCS	05/06/24
BE40363-DUP1	Duplicate	05/06/24

Batch ID: BE40735 **Preparation Method:** EPA 1633 Prep **Prepared By:** J D

YORK Sample ID	Client Sample ID	Preparation Date
24D1902-03RE1	MW-54D	05/10/24
24D1902-04RE1	MW-55S	05/10/24
24D1902-05RE1	MW-55D	05/10/24
24D1902-07RE1	MW-60	05/10/24
BE40735-BLK1	Blank	05/10/24
BE40735-BS1	LCS	05/10/24
BE40735-BS2	LCS	05/10/24
BE40735-MS1	Matrix Spike	05/10/24

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

York Analytical Laboratories, Inc. - Stratford

Batch BE40363 - EPA 1633 Prep

Blank (BE40363-BLK1) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	0.731	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	*51.4*		*"*	*46.6*		*110*	*25-150*				
Surrogate: M5PFHxA	*53.3*		*"*	*50.0*		*107*	*25-150*				
Surrogate: M4PFHpA	*78.6*		*"*	*50.0*		*157*	*25-150*				
Surrogate: M3PFHxS	*51.7*		*"*	*47.4*		*109*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*45.0*		*"*	*50.0*		*90.1*	*25-150*				
Surrogate: M6PFDA	*24.1*		*"*	*25.0*		*96.4*	*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 BE40363 - EPA 1633 Prep											
Blank (BE40363-BLK1)									Prepared: 05/06/2024 Analyzed: 05/07/2024		
Surrogate: M7PFUdA	*22.6*		*ng/L*	*25.0*		*90.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*17.4*		"	*25.0*		*69.7*	*25-150*				
Surrogate: M2PFTeDA	*18.0*		"	*25.0*		*72.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*17.3*		"	*200*		*8.64*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*50.2*		"	*47.9*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.5*		"	*100*		*80.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*40.0*		"	*50.0*		*79.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*68.3*		"	*100*		*68.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*62.8*		"	*100*		*62.8*	*25-150*				
Surrogate: M2-6:2 FTS	*164*		"	*95.1*		*173*	*25-200*				
Surrogate: M2-8:2 FTS	*92.0*		"	*96.0*		*95.8*	*25-200*				
Surrogate: M9PFNA	*24.4*		"	*25.0*		*97.6*	*25-150*				
Surrogate: M2-4:2 FTS	*156*		"	*93.8*		*166*	*25-150*				
Surrogate: d-N-MeFOSA	*31.4*		"	*50.0*		*62.8*	*25-150*				
Surrogate: d-N-EtFOSA	*27.4*		"	*50.0*		*54.7*	*25-150*				
Surrogate: M3HFPO-DA	*210*		"	*200*		*105*	*25-150*				
Surrogate: d9-N-EtFOSE	*228*		"	*500*		*45.7*	*25-150*				
Surrogate: d7-N-MeFOSE	*267*		"	*500*		*53.4*	*25-150*				
Blank (BE40363-BLK2)									Prepared: 05/06/2024 Analyzed: 05/07/2024		
Perfluorobutanesulfonic acid (PFBS)	ND	1.68	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	1.90	"								
Perfluoroheptanoic acid (PFHpA)	ND	1.90	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.74	"								
Perfluorooctanoic acid (PFOA)	ND	1.90	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.77	"								
Perfluorononanoic acid (PFNA)	0.624	1.90	"								
Perfluorodecanoic acid (PFDA)	ND	1.90	"								
Perfluoroundecanoic acid (PFUnA)	ND	1.90	"								
Perfluorododecanoic acid (PFDoA)	ND	1.90	"								
Perfluorotridecanoic acid (PFTrDA)	ND	1.90	"								
Perfluorotetradecanoic acid (PFTA)	ND	1.90	"								
N-MeFOSAA	ND	1.90	"								
N-EtFOSAA	ND	1.90	"								
Perfluoropentanoic acid (PFPeA)	0.349	3.80	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.90	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.83	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.22	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.30	"								
Perfluoro-n-butanoic acid (PFBA)	ND	7.60	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.38	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.80	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.80	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.80	"								

Batch BE40363 - EPA 1633 Prep

Blank (BE40363-BLK2) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.79	ng/L								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.13	"								
HFPO-DA (Gen-X)	ND	7.60	"								
11CL-PF3OUdS	ND	7.19	"								
9CL-PF3ONS	ND	7.11	"								
ADONA	ND	7.19	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.84	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.83	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.75	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	23.8	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	23.8	"								
N-MeFOSE	ND	19.0	"								
N-MeFOSA	ND	1.90	"								
N-EtFOSE	ND	19.0	"								
N-EtFOSA	ND	1.90	"								
Surrogate: M3PFBS	*10.3*		*"*	*22.1*		*46.6*	*25-150*				
Surrogate: M5PFHxA	*14.2*		*"*	*23.8*		*59.9*	*25-150*				
Surrogate: M4PFHpA	*31.4*		*"*	*23.8*		*132*	*25-150*				
Surrogate: M3PFHxS	*20.9*		*"*	*22.5*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*18.5*		*"*	*23.8*		*77.7*	*25-150*				
Surrogate: M6PFDA	*12.0*		*"*	*11.9*		*101*	*25-150*				
Surrogate: M7PFUdA	*8.84*		*"*	*11.9*		*74.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.74*		*"*	*11.9*		*48.3*	*25-150*				
Surrogate: M2PFTeDA	*4.80*		*"*	*11.9*		*40.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*0.568*		*"*	*95.1*		*0.598*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*21.5*		*"*	*22.8*		*94.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.94*		*"*	*47.5*		*8.30*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*19.3*		*"*	*23.8*		*81.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*30.3*		*"*	*47.5*		*63.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*23.9*		*"*	*47.5*		*50.3*	*25-150*				
Surrogate: M2-6:2 FTS	*64.3*		*"*	*45.2*		*142*	*25-200*				
Surrogate: M2-8:2 FTS	*37.4*		*"*	*45.6*		*82.0*	*25-200*				
Surrogate: M9PFNA	*9.99*		*"*	*11.9*		*84.1*	*25-150*				
Surrogate: M2-4:2 FTS	*38.7*		*"*	*44.6*		*86.9*	*25-150*				
Surrogate: d-N-MeFOSA	*14.7*		*"*	*23.8*		*61.9*	*25-150*				
Surrogate: d-N-EtFOSA	*11.4*		*"*	*23.8*		*47.8*	*25-150*				
Surrogate: M3HFPO-DA	*64.8*		*"*	*95.1*		*68.2*	*25-150*				
Surrogate: d9-N-EtFOSE	*60.6*		*"*	*238*		*25.5*	*25-150*				
Surrogate: d7-N-MeFOSE	*79.6*		*"*	*238*		*33.5*	*25-150*				

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

Batch BE40363 - EPA 1633 Prep

LCS (BE40363-BS1) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	72.7	3.54	ng/L	70.8		103	50-150				
Perfluorohexanoic acid (PFHxA)	81.3	4.00	"	80.0		102	50-150				
Perfluoroheptanoic acid (PFHpA)	52.1	4.00	"	80.0		65.1	50-150				
Perfluorohexanesulfonic acid (PFHxS)	81.2	3.66	"	73.2		111	50-150				
Perfluorooctanoic acid (PFOA)	93.7	4.00	"	80.0		117	50-150				
Perfluorooctanesulfonic acid (PFOS)	72.2	3.72	"	74.4		97.0	50-150				
Perfluorononanoic acid (PFNA)	94.2	4.00	"	80.0		118	50-150				
Perfluorodecanoic acid (PFDA)	91.6	4.00	"	80.0		114	50-150				
Perfluoroundecanoic acid (PFUnA)	84.9	4.00	"	80.0		106	50-150				
Perfluorododecanoic acid (PFDoA)	98.4	4.00	"	80.0		123	50-150				
Perfluorotridecanoic acid (PFTrDA)	95.3	4.00	"	80.0		119	50-150				
Perfluorotetradecanoic acid (PFTA)	77.1	4.00	"	80.0		96.4	50-150				
N-MeFOSAA	91.6	4.00	"	80.0		115	50-150				
N-EtFOSAA	83.1	4.00	"	80.0		104	50-150				
Perfluoropentanoic acid (PFPeA)	162	8.00	"	160		101	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	83.4	4.00	"	80.0		104	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	74.9	3.82	"	76.4		98.1	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	67.8	3.86	"	77.2		87.8	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	383	15.2	"	304		126	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	317	15.4	"	307		103	50-150				
Perfluoro-n-butanoic acid (PFBA)	292	16.0	"	320		91.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	134	7.12	"	142		94.3	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	135	8.00	"	160		84.6	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	25.0	8.00	"	160		15.6	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	227	8.00	"	160		142	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	74.4	3.76	"	75.2		99.0	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	366	15.0	"	300		122	50-150				
HFPO-DA (Gen-X)	165	16.0	"	160		103	50-150				
11CL-PF3OUdS	124	15.1	"	151		81.7	50-150				
9CL-PF3ONS	140	15.0	"	150		93.4	50-150				
ADONA	161	15.1	"	151		106	50-150				
Perfluorododecanesulfonic acid (PFDoS)	56.6	3.88	"	77.6		72.9	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	63.6	3.84	"	76.8		82.8	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	248	10.0	"	320		77.6	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	1880	50.0	"	1600		117	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	2540	50.0	"	1600		159	50-150	High Bias			
N-MeFOSE	699	40.0	"	800		87.4	50-150				
N-MeFOSA	89.5	4.00	"	80.0		112	50-150				
N-EtFOSE	794	40.0	"	800		99.3	50-150				
N-EtFOSA	96.9	4.00	"	80.0		121	50-150				
Surrogate: M3PFBS	*42.2*		"	*46.6*		*90.6*	*25-150*				
Surrogate: M5PFHxA	*48.0*		"	*50.0*		*96.1*	*25-150*				
Surrogate: M4PFHpA	*76.1*		"	*50.0*		*152*	*25-150*				
Surrogate: M3PFHxS	*49.0*		"	*47.4*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*42.7*		"	*50.0*		*85.5*	*25-150*				
Surrogate: M6PFDA	*25.3*		"	*25.0*		*101*	*25-150*				
Surrogate: M7PFUdA	*21.6*		"	*25.0*		*86.5*	*25-150*				

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

York Analytical Laboratories, Inc. - Stratford

Batch BE40363 - EPA 1633 Prep

LCS (BE40363-BS1) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*15.5*		*ng/L*	*25.0*		*61.9*	*25-150*				
Surrogate: M2PFTeDA	*16.8*		"	*25.0*		*67.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*6.38*		"	*200*		*3.19*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*50.6*		"	*47.9*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*49.5*		"	*100*		*49.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*43.1*		"	*50.0*		*86.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*76.1*		"	*100*		*76.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*67.0*		"	*100*		*67.0*	*25-150*				
Surrogate: M2-6:2 FTS	*173*		"	*95.1*		*182*	*25-200*				
Surrogate: M2-8:2 FTS	*110*		"	*96.0*		*114*	*25-200*				
Surrogate: M9PFNA	*22.5*		"	*25.0*		*90.2*	*25-150*				
Surrogate: M2-4:2 FTS	*147*		"	*93.8*		*156*	*25-150*				
Surrogate: d-N-MeFOSA	*33.7*		"	*50.0*		*67.3*	*25-150*				
Surrogate: d-N-EtFOSA	*28.1*		"	*50.0*		*56.2*	*25-150*				
Surrogate: M3HFPO-DA	*201*		"	*200*		*100*	*25-150*				
Surrogate: d9-N-EtFOSE	*276*		"	*500*		*55.2*	*25-150*				
Surrogate: d7-N-MeFOSE	*302*		"	*500*		*60.3*	*25-150*				

LCS (BE40363-BS2) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	13.7	3.54	ng/L	14.2		96.9	50-150				
Perfluorohexanoic acid (PFHxA)	16.7	4.00	"	16.0		104	50-150				
Perfluoroheptanoic acid (PFHpA)	9.44	4.00	"	16.0		59.0	50-150				
Perfluorohexanesulfonic acid (PFHxS)	14.9	3.66	"	14.6		102	50-150				
Perfluorooctanoic acid (PFOA)	16.0	4.00	"	16.0		100	50-150				
Perfluorooctanesulfonic acid (PFOS)	16.2	3.72	"	14.9		109	50-150				
Perfluorononanoic acid (PFNA)	17.8	4.00	"	16.0		111	50-150				
Perfluorodecanoic acid (PFDA)	19.7	4.00	"	16.0		123	50-150				
Perfluoroundecanoic acid (PFUnA)	19.4	4.00	"	16.0		121	50-150				
Perfluorododecanoic acid (PFDoA)	16.7	4.00	"	16.0		105	50-150				
Perfluorotridecanoic acid (PFTrDA)	16.3	4.00	"	16.0		102	50-150				
Perfluorotetradecanoic acid (PFTA)	15.1	4.00	"	16.0		94.4	50-150				
N-MeFOSAA	16.7	4.00	"	16.0		104	50-150				
N-EtFOSAA	17.3	4.00	"	16.0		108	50-150				
Perfluoropentanoic acid (PFPeA)	31.6	8.00	"	32.0		98.8	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	18.4	4.00	"	16.0		115	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	14.3	3.82	"	15.3		93.9	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	13.0	3.86	"	15.4		84.3	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	69.1	15.2	"	60.8		114	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	66.1	15.4	"	61.4		108	50-150				
Perfluoro-n-butanoic acid (PFBA)	64.0	16.0	"	64.0		100	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	26.0	7.12	"	28.5		91.4	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	34.3	8.00	"	32.0		107	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	5.45	8.00	"	32.0		17.0	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	43.2	8.00	"	32.0		135	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	15.0	3.76	"	15.0		99.8	50-150				

Batch BE40363 - EPA 1633 Prep

LCS (BE40363-BS2) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	68.8	15.0	ng/L	60.0		115	50-150				
HFPO-DA (Gen-X)	34.8	16.0	"	32.0		109	50-150				
11CL-PF3OUdS	25.8	15.1	"	30.2		85.2	50-150				
9CL-PF3ONS	26.9	15.0	"	29.9		89.8	50-150				
ADONA	30.6	15.1	"	30.2		101	50-150				
Perfluorododecanesulfonic acid (PFDoS)	12.4	3.88	"	15.5		79.8	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	12.4	3.84	"	15.4		81.0	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	39.9	10.0	"	64.0		62.3	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	368	50.0	"	320		115	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	496	50.0	"	320		155	50-150	High Bias			
N-MeFOSE	140	40.0	"	160		87.4	50-150				
N-MeFOSA	19.8	4.00	"	16.0		124	50-150				
N-EtFOSE	164	40.0	"	160		103	50-150				
N-EtFOSA	16.8	4.00	"	16.0		105	50-150				
Surrogate: M3PFBS	*42.8*		"	*46.6*		*92.0*	*25-150*				
Surrogate: M5PFHxA	*46.5*		"	*50.0*		*93.0*	*25-150*				
Surrogate: M4PFHpA	*73.2*		"	*50.0*		*146*	*25-150*				
Surrogate: M3PFHxS	*49.2*		"	*47.4*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*41.5*		"	*50.0*		*82.9*	*25-150*				
Surrogate: M6PFDA	*23.0*		"	*25.0*		*91.9*	*25-150*				
Surrogate: M7PFUdA	*19.6*		"	*25.0*		*78.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*15.1*		"	*25.0*		*60.3*	*25-150*				
Surrogate: M2PFTeDA	*17.0*		"	*25.0*		*67.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*6.67*		"	*200*		*3.33*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*47.1*		"	*47.9*		*98.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*50.3*		"	*100*		*50.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*41.1*		"	*50.0*		*82.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*71.1*		"	*100*		*71.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*67.2*		"	*100*		*67.2*	*25-150*				
Surrogate: M2-6:2 FTS	*158*		"	*95.1*		*166*	*25-200*				
Surrogate: M2-8:2 FTS	*89.2*		"	*96.0*		*93.0*	*25-200*				
Surrogate: M9PFNA	*22.5*		"	*25.0*		*90.0*	*25-150*				
Surrogate: M2-4:2 FTS	*143*		"	*93.8*		*152*	*25-150*				
Surrogate: d-N-MeFOSA	*28.1*		"	*50.0*		*56.2*	*25-150*				
Surrogate: d-N-EtFOSA	*26.8*		"	*50.0*		*53.7*	*25-150*				
Surrogate: M3HFPO-DA	*196*		"	*200*		*97.9*	*25-150*				
Surrogate: d9-N-EtFOSE	*271*		"	*500*		*54.2*	*25-150*				
Surrogate: d7-N-MeFOSE	*295*		"	*500*		*59.1*	*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 BE40363 - EPA 1633 Prep											
Duplicate (BE40363-DUP1)	*Source sample: 24D1902-02 (MW-54S)								Prepared: 05/06/2024 Analyzed: 05/07/2024		
Perfluorobutanesulfonic acid (PFBS)	ND	1.82	ng/L		ND					30	
Perfluorohexanoic acid (PFHxA)	2.74	2.06	"		1.65				50.0	30	Non-dir.
Perfluoroheptanoic acid (PFHpA)	ND	2.06	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	2.60	1.88	"		1.61				47.2	30	Non-dir.
Perfluorooctanoic acid (PFOA)	0.582	2.06	"		0.485				18.2	30	
Perfluorooctanesulfonic acid (PFOS)	3.40	1.91	"		3.17				6.86	30	
Perfluorononanoic acid (PFNA)	0.608	2.06	"		ND					30	
Perfluorodecanoic acid (PFDA)	ND	2.06	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	2.06	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	2.06	"		ND					30	
Perfluorotridecanoic acid (PFTrDA)	ND	2.06	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	2.06	"		ND					30	
N-MeFOSAA	ND	2.06	"		ND					30	
N-EtFOSAA	ND	2.06	"		ND					30	
Perfluoropentanoic acid (PFPeA)	5.19	4.12	"		3.02				53.0	30	Non-dir.
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.06	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.97	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.99	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1.11	7.82	"		1.21				8.05	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.90	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	8.23	"		ND					30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.66	"		ND					30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.12	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.12	"		ND					30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.12	"		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.93	"		ND					30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.72	"		ND					30	
HFPO-DA (Gen-X)	ND	8.23	"		ND					30	
11CL-PF3OUdS	ND	7.78	"		ND					30	
9CL-PF3ONS	ND	7.70	"		ND					30	
ADONA	ND	7.78	"		ND					30	
Perfluorododecanesulfonic acid (PFDoS)	ND	2.00	"		ND					30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.98	"		ND					30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.15	"		ND					30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.7	"		ND					30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.7	"		ND					30	
N-MeFOSE	ND	20.6	"		ND					30	
N-MeFOSA	ND	2.06	"		ND					30	
N-EtFOSE	ND	20.6	"		ND					30	
N-EtFOSA	ND	2.06	"		ND					30	
Surrogate: M3PFBS	*24.6*		"	*24.0*		*102*	*25-150*				
Surrogate: M5PFHxA	*26.6*		"	*25.7*		*103*	*25-150*				
Surrogate: M4PFHpA	*40.3*		"	*25.7*		*157*	*25-150*				
Surrogate: M3PFHxS	*23.9*		"	*24.4*		*97.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*20.9*		"	*25.7*		*81.3*	*25-150*				
Surrogate: M6PFDA	*11.0*		"	*12.9*		*85.2*	*25-150*				
Surrogate: M7PFUdA	*6.25*		"	*12.9*		*48.6*	*25-150*				

Batch BE40363 - EPA 1633 Prep

Duplicate (BE40363-DUP1) *Source sample: 24D1902-02 (MW-54S) Prepared: 05/06/2024 Analyzed: 05/07/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.61*		*ng/L*	*12.9*		*28.0*	*25-150*				
Surrogate: M2PFTeDA	*2.34*		"	*12.9*		*18.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*12.0*		"	*103*		*11.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*22.6*		"	*24.6*		*91.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*50.3*		"	*51.5*		*97.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*19.7*		"	*25.7*		*76.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*22.6*		"	*51.5*		*43.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*17.5*		"	*51.5*		*33.9*	*25-150*				
Surrogate: M2-6:2 FTS	*89.9*		"	*48.9*		*184*	*25-200*				
Surrogate: M2-8:2 FTS	*39.7*		"	*49.4*		*80.5*	*25-200*				
Surrogate: M9PFNA	*11.5*		"	*12.9*		*89.7*	*25-150*				
Surrogate: M2-4:2 FTS	*134*		"	*48.3*		*278*	*25-150*				
Surrogate: d-N-MeFOSA	*8.40*		"	*25.7*		*32.6*	*25-150*				
Surrogate: d-N-EtFOSA	*4.88*		"	*25.7*		*19.0*	*25-150*				
Surrogate: M3HFPO-DA	*108*		"	*103*		*105*	*25-150*				
Surrogate: d9-N-EtFOSE	*29.4*		"	*257*		*11.4*	*25-150*				
Surrogate: d7-N-MeFOSE	*48.8*		"	*257*		*19.0*	*25-150*				

Batch BE40735 - EPA 1633 Prep

Blank (BE40735-BLK1) Prepared: 05/10/2024 Analyzed: 05/12/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	0.535	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40735 - EPA 1633 Prep											
Blank (BE40735-BLK1)								Prepared: 05/10/2024 Analyzed: 05/12/2024			
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	*59.1*		"	*46.6*		*127*	*25-150*				
Surrogate: M5PFHxA	*57.8*		"	*50.0*		*116*	*25-150*				
Surrogate: M4PFHpA	*59.9*		"	*50.0*		*120*	*25-150*				
Surrogate: M3PFHxS	*56.6*		"	*47.4*		*119*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*57.3*		"	*50.0*		*115*	*25-150*				
Surrogate: M6PFDA	*33.5*		"	*25.0*		*134*	*25-150*				
Surrogate: M7PFUdA	*27.8*		"	*25.0*		*111*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*26.6*		"	*25.0*		*107*	*25-150*				
Surrogate: M2PFTeDA	*21.3*		"	*25.0*		*85.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.03*		"	*200*		*1.52*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*63.8*		"	*47.9*		*133*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.8*		"	*100*		*76.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*62.4*		"	*50.0*		*125*	*10-150*				
Surrogate: d3-N-MeFOSAA	*113*		"	*100*		*113*	*25-150*				
Surrogate: d5-N-EtFOSAA	*118*		"	*100*		*118*	*25-150*				
Surrogate: M2-6:2 FTS	*146*		"	*95.1*		*153*	*25-200*				
Surrogate: M2-8:2 FTS	*114*		"	*96.0*		*119*	*25-200*				
Surrogate: M9PFNA	*33.1*		"	*25.0*		*132*	*25-150*				
Surrogate: M2-4:2 FTS	*122*		"	*93.8*		*130*	*25-150*				
Surrogate: d-N-MeFOSA	*55.6*		"	*50.0*		*111*	*25-150*				
Surrogate: d-N-EtFOSA	*46.3*		"	*50.0*		*92.5*	*25-150*				
Surrogate: M3HFPO-DA	*247*		"	*200*		*124*	*25-150*				
Surrogate: d9-N-EtFOSE	*306*		"	*500*		*61.2*	*25-150*				
Surrogate: d7-N-MeFOSE	*374*		"	*500*		*74.8*	*25-150*				

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

Batch BE40735 - EPA 1633 Prep

LCS (BE40735-BS1) Prepared: 05/10/2024 Analyzed: 05/12/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	75.4	3.54	ng/L	70.8		106	50-150				
Perfluorohexanoic acid (PFHxA)	92.2	4.00	"	80.0		115	50-150				
Perfluoroheptanoic acid (PFHpA)	82.6	4.00	"	80.0		103	50-150				
Perfluorohexanesulfonic acid (PFHxS)	58.1	3.66	"	73.2		79.3	50-150				
Perfluorooctanoic acid (PFOA)	86.3	4.00	"	80.0		108	50-150				
Perfluorooctanesulfonic acid (PFOS)	116	3.72	"	74.4		156	50-150	High Bias			
Perfluorononanoic acid (PFNA)	51.6	4.00	"	80.0		64.5	50-150				
Perfluorodecanoic acid (PFDA)	80.0	4.00	"	80.0		100	50-150				
Perfluoroundecanoic acid (PFUnA)	73.2	4.00	"	80.0		91.5	50-150				
Perfluorododecanoic acid (PFDoA)	86.5	4.00	"	80.0		108	50-150				
Perfluorotridecanoic acid (PFTrDA)	93.9	4.00	"	80.0		117	50-150				
Perfluorotetradecanoic acid (PFTA)	89.5	4.00	"	80.0		112	50-150				
N-MeFOSAA	88.1	4.00	"	80.0		110	50-150				
N-EtFOSAA	94.7	4.00	"	80.0		118	50-150				
Perfluoropentanoic acid (PFPeA)	145	8.00	"	160		90.9	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	91.0	4.00	"	80.0		114	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	134	3.82	"	76.4		175	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	115	3.86	"	77.2		148	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	365	15.2	"	304		120	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	394	15.4	"	307		128	50-150				
Perfluoro-n-butanoic acid (PFBA)	49.4	16.0	"	320		15.4	50-150	Low Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	150	7.12	"	142		105	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	169	8.00	"	160		106	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	2.13	8.00	"	160		1.33	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	321	8.00	"	160		201	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	66.9	3.76	"	75.2		89.0	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	303	15.0	"	300		101	50-150				
HFPO-DA (Gen-X)	147	16.0	"	160		91.7	50-150				
11CL-PF3OUdS	141	15.1	"	151		93.0	50-150				
9CL-PF3ONS	125	15.0	"	150		83.7	50-150				
ADONA	143	15.1	"	151		94.7	50-150				
Perfluorododecanesulfonic acid (PFDoS)	115	3.88	"	77.6		148	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	126	3.84	"	76.8		164	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	2020	10.0	"	320		633	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	1970	50.0	"	1600		123	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	87.5	50.0	"	1600		5.47	50-150	Low Bias			
N-MeFOSE	742	40.0	"	800		92.8	50-150				
N-MeFOSA	50.0	4.00	"	80.0		62.5	50-150				
N-EtFOSE	742	40.0	"	800		92.7	50-150				
N-EtFOSA	85.3	4.00	"	80.0		107	50-150				
Surrogate: M3PFBS	*39.5*		"	*46.6*		*84.7*	*25-150*				
Surrogate: M5PFHxA	*43.9*		"	*50.0*		*87.8*	*25-150*				
Surrogate: M4PFHpA	*53.4*		"	*50.0*		*107*	*25-150*				
Surrogate: M3PFHxS	*46.6*		"	*47.4*		*98.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*58.6*		"	*50.0*		*117*	*25-150*				
Surrogate: M6PFDA	*24.2*		"	*25.0*		*96.7*	*25-150*				
Surrogate: M7PFUdA	*24.7*		"	*25.0*		*98.9*	*25-150*				

Batch BE40735 - EPA 1633 Prep

LCS (BE40735-BS1) Prepared: 05/10/2024 Analyzed: 05/12/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*22.8*		*ng/L*	*25.0*		*91.3*	*25-150*				
Surrogate: M2PFTeDA	*21.2*		*"*	*25.0*		*84.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*1.10*		*"*	*200*		*0.551*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*31.6*		*"*	*47.9*		*65.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*28.1*		*"*	*100*		*28.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*40.2*		*"*	*50.0*		*80.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*75.7*		*"*	*100*		*75.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*79.7*		*"*	*100*		*79.7*	*25-150*				
Surrogate: M2-6:2 FTS	*70.2*		*"*	*95.1*		*73.8*	*25-200*				
Surrogate: M2-8:2 FTS	*64.7*		*"*	*96.0*		*67.4*	*25-200*				
Surrogate: M9PFNA	*37.0*		*"*	*25.0*		*148*	*25-150*				
Surrogate: M2-4:2 FTS	*88.5*		*"*	*93.8*		*94.4*	*25-150*				
Surrogate: d-N-MeFOSA	*52.4*		*"*	*50.0*		*105*	*25-150*				
Surrogate: d-N-EtFOSA	*32.6*		*"*	*50.0*		*65.2*	*25-150*				
Surrogate: M3HFPO-DA	*205*		*"*	*200*		*102*	*25-150*				
Surrogate: d9-N-EtFOSE	*326*		*"*	*500*		*65.2*	*25-150*				
Surrogate: d7-N-MeFOSE	*346*		*"*	*500*		*69.1*	*25-150*				

LCS (BE40735-BS2) Prepared: 05/10/2024 Analyzed: 05/12/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	13.6	3.54	ng/L	14.2		96.4	50-150				
Perfluorohexanoic acid (PFHxA)	13.7	4.00	"	16.0		85.7	50-150				
Perfluoroheptanoic acid (PFHpA)	20.2	4.00	"	16.0		126	50-150				
Perfluorohexanesulfonic acid (PFHxS)	12.8	3.66	"	14.6		87.5	50-150				
Perfluorooctanoic acid (PFOA)	17.5	4.00	"	16.0		110	50-150				
Perfluorooctanesulfonic acid (PFOS)	22.3	3.72	"	14.9		150	50-150				
Perfluorononanoic acid (PFNA)	13.2	4.00	"	16.0		82.3	50-150				
Perfluorodecanoic acid (PFDA)	12.8	4.00	"	16.0		80.1	50-150				
Perfluoroundecanoic acid (PFUnA)	16.7	4.00	"	16.0		105	50-150				
Perfluorododecanoic acid (PFDoA)	15.5	4.00	"	16.0		96.7	50-150				
Perfluorotridecanoic acid (PFTrDA)	19.2	4.00	"	16.0		120	50-150				
Perfluorotetradecanoic acid (PFTA)	15.8	4.00	"	16.0		98.6	50-150				
N-MeFOSAA	13.2	4.00	"	16.0		82.6	50-150				
N-EtFOSAA	20.2	4.00	"	16.0		126	50-150				
Perfluoropentanoic acid (PFPeA)	27.9	8.00	"	32.0		87.3	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	13.5	4.00	"	16.0		84.7	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	12.9	3.82	"	15.3		84.5	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	13.3	3.86	"	15.4		86.2	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	53.3	15.2	"	60.8		87.7	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	43.2	15.4	"	61.4		70.3	50-150				
Perfluoro-n-butanoic acid (PFBA)	50.6	16.0	"	64.0		79.1	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	26.1	7.12	"	28.5		91.8	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	26.6	8.00	"	32.0		83.2	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	3.45	8.00	"	32.0		10.8	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	38.3	8.00	"	32.0		120	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	9.86	3.76	"	15.0		65.6	50-150				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40735 - EPA 1633 Prep											
LCS (BE40735-BS2)							Prepared: 05/10/2024 Analyzed: 05/12/2024				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	71.7	15.0	ng/L	60.0		119	50-150				
HFPO-DA (Gen-X)	36.5	16.0	"	32.0		114	50-150				
11CL-PF3OUdS	22.6	15.1	"	30.2		74.8	50-150				
9CL-PF3ONS	21.8	15.0	"	29.9		73.0	50-150				
ADONA	27.0	15.1	"	30.2		89.3	50-150				
Perfluorododecanesulfonic acid (PFDoS)	10.5	3.88	"	15.5		67.8	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	15.5	3.84	"	15.4		101	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	325	10.0	"	64.0		508	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	320	50.0	"	320		100	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	38.8	50.0	"	320		12.1	50-150	Low Bias			
N-MeFOSE	127	40.0	"	160		79.6	50-150				
N-MeFOSA	19.0	4.00	"	16.0		119	50-150				
N-EtFOSE	140	40.0	"	160		87.4	50-150				
N-EtFOSA	8.81	4.00	"	16.0		55.0	50-150				
Surrogate: M3PFBS	*64.0*		"	*46.6*		*137*	*25-150*				
Surrogate: M5PFHxA	*74.1*		"	*50.0*		*148*	*25-150*				
Surrogate: M4PFHpA	*72.8*		"	*50.0*		*146*	*25-150*				
Surrogate: M3PFHxS	*79.1*		"	*47.4*		*167*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*74.2*		"	*50.0*		*148*	*25-150*				
Surrogate: M6PFDA	*41.5*		"	*25.0*		*166*	*25-150*				
Surrogate: M7PFUdA	*38.8*		"	*25.0*		*155*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*35.3*		"	*25.0*		*141*	*25-150*				
Surrogate: M2PFTeDA	*28.1*		"	*25.0*		*113*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.71*		"	*200*		*1.85*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*69.6*		"	*47.9*		*145*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*93.4*		"	*100*		*93.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*63.8*		"	*50.0*		*128*	*10-150*				
Surrogate: d3-N-MeFOSAA	*117*		"	*100*		*117*	*25-150*				
Surrogate: d5-N-EtFOSAA	*118*		"	*100*		*118*	*25-150*				
Surrogate: M2-6:2 FTS	*155*		"	*95.1*		*163*	*25-200*				
Surrogate: M2-8:2 FTS	*87.3*		"	*96.0*		*90.9*	*25-200*				
Surrogate: M9PFNA	*42.0*		"	*25.0*		*168*	*25-150*				
Surrogate: M2-4:2 FTS	*115*		"	*93.8*		*122*	*25-150*				
Surrogate: d-N-MeFOSA	*56.6*		"	*50.0*		*113*	*25-150*				
Surrogate: d-N-EtFOSA	*67.2*		"	*50.0*		*134*	*25-150*				
Surrogate: M3HFPO-DA	*309*		"	*200*		*154*	*25-150*				
Surrogate: d9-N-EtFOSE	*359*		"	*500*		*71.8*	*25-150*				
Surrogate: d7-N-MeFOSE	*388*		"	*500*		*77.6*	*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 BE40735 - EPA 1633 Prep											
Matrix Spike (BE40735-MS1)	*Source sample: 24E0137-01 (Matrix Spike)						Prepared: 05/10/2024 Analyzed: 05/12/2024				
Perfluorobutanesulfonic acid (PFBS)	37.7	1.87	ng/L	37.4	ND	101	25-150				
Perfluorohexanoic acid (PFHxA)	49.4	2.11	"	42.3	3.43	109	25-150				
Perfluoroheptanoic acid (PFHpA)	44.9	2.11	"	42.3	1.02	104	25-150				
Perfluorohexanesulfonic acid (PFHxS)	37.1	1.93	"	38.7	ND	95.8	25-150				
Perfluorooctanoic acid (PFOA)	57.3	2.11	"	42.3	10.8	110	25-150				
Perfluorooctanesulfonic acid (PFOS)	39.0	1.97	"	39.3	ND	99.3	25-150				
Perfluorononanoic acid (PFNA)	33.9	2.11	"	42.3	1.80	75.9	25-150				
Perfluorodecanoic acid (PFDA)	37.2	2.11	"	42.3	ND	88.0	25-150				
Perfluoroundecanoic acid (PFUnA)	49.4	2.11	"	42.3	ND	117	25-150				
Perfluorododecanoic acid (PFDoA)	45.2	2.11	"	42.3	ND	107	25-150				
Perfluorotridecanoic acid (PFTrDA)	64.4	2.11	"	42.3	ND	152	25-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	58.0	2.11	"	42.3	ND	137	25-150				
N-MeFOSAA	36.0	2.11	"	42.3	ND	85.2	25-150				
N-EtFOSAA	45.2	2.11	"	42.3	ND	107	25-150				
Perfluoropentanoic acid (PFPeA)	81.5	4.23	"	84.5	3.81	91.9	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	40.6	2.11	"	42.3	ND	96.0	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	45.5	2.02	"	40.4	ND	113	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	33.1	2.04	"	40.8	ND	81.3	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	158	8.03	"	161	ND	98.1	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	121	8.11	"	162	ND	74.5	25-150				
Perfluoro-n-butanoic acid (PFBA)	138	8.45	"	169	3.63	79.5	25-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	86.7	3.76	"	75.2	ND	115	25-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	87.9	4.23	"	84.5	ND	104	25-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	10.2	4.23	"	84.5	ND	12.1	25-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	82.7	4.23	"	84.5	ND	97.9	25-150				
Perfluoro-1-pentanesulfonate (PFPeS)	43.2	1.99	"	39.7	ND	109	25-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	154	7.92	"	158	ND	97.3	25-150				
HFPO-DA (Gen-X)	77.1	8.45	"	84.5	ND	91.2	25-150				
11CL-PF3OUdS	43.7	7.99	"	79.9	ND	54.7	25-150				
9CL-PF3ONS	59.4	7.90	"	79.0	ND	75.1	25-150				
ADONA	67.4	7.99	"	79.9	ND	84.4	25-150				
Perfluorododecanesulfonic acid (PFDoS)	20.3	2.05	"	41.0	ND	49.6	25-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	38.3	2.03	"	40.6	ND	94.3	25-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1030	5.28	"	169	ND	611	25-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	915	26.4	"	845	ND	108	25-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	119	26.4	"	845	ND	14.1	25-150	Low Bias			
N-MeFOSE	380	21.1	"	423	ND	89.9	25-150				
N-MeFOSA	49.3	2.11	"	42.3	ND	117	25-150				
N-EtFOSE	372	21.1	"	423	ND	88.0	25-150				
N-EtFOSA	28.0	2.11	"	42.3	ND	66.2	25-150				
Surrogate: M3PFBS	*31.5*		"	*24.6*		*128*	*25-150*				
Surrogate: M5PFHxA	*32.5*		"	*26.4*		*123*	*25-150*				
Surrogate: M4PFHpA	*38.1*		"	*26.4*		*144*	*25-150*				
Surrogate: M3PFHxS	*31.4*		"	*25.0*		*125*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*35.6*		"	*26.4*		*135*	*25-150*				
Surrogate: M6PFDA	*13.9*		"	*13.2*		*106*	*25-150*				
Surrogate: M7PFUdA	*10.2*		"	*13.2*		*77.1*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40735 - EPA 1633 Prep											
Matrix Spike (BE40735-MS1)	*Source sample: 24E0137-01 (Matrix Spike)						Prepared: 05/10/2024 Analyzed: 05/12/2024				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*8.62*		*ng/L*	*13.2*		*65.3*	*25-150*				
Surrogate: M2PFTeDA	*5.78*		*"*	*13.2*		*43.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.75*		*"*	*106*		*3.55*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*36.3*		*"*	*25.3*		*144*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*63.0*		*"*	*52.8*		*119*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*36.7*		*"*	*26.4*		*139*	*10-150*				
Surrogate: d3-N-MeFOSAA	*60.1*		*"*	*52.8*		*114*	*25-150*				
Surrogate: d5-N-EtFOSAA	*58.4*		*"*	*52.8*		*111*	*25-150*				
Surrogate: M2-6:2 FTS	*68.8*		*"*	*50.2*		*137*	*25-200*				
Surrogate: M2-8:2 FTS	*61.3*		*"*	*50.7*		*121*	*25-200*				
Surrogate: M9PFNA	*17.8*		*"*	*13.2*		*135*	*25-150*				
Surrogate: M2-4:2 FTS	*78.7*		*"*	*49.6*		*159*	*25-150*				
Surrogate: d-N-MeFOSA	*24.3*		*"*	*26.4*		*91.9*	*25-150*				
Surrogate: d-N-EtFOSA	*20.0*		*"*	*26.4*		*75.8*	*25-150*				
Surrogate: M3HFPO-DA	*154*		*"*	*106*		*146*	*25-150*				
Surrogate: d9-N-EtFOSE	*198*		*"*	*264*		*74.9*	*25-150*				
Surrogate: d7-N-MeFOSE	*215*		*"*	*264*		*81.4*	*25-150*				

Sample and Data Qualifiers Relating to This Work Order

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-H	The LCS recovery for this PFAS compound was above control limits.
PF-CCV-L	The CCV recovery for this PFAS compound was below 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.

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 Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This 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.

YORK Project No. 24D1902

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

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: WSP	Company:	Company:
Address: 500 Summit Lake Dr Valhalla NY 10595	Address: S	Address: S
Phone.: 914 329 1392	Phone.: a	Phone.: a
Contact: John Benvegna	Contact: m	Contact: m
E-mail: John.Benvegna@wsp.com	E-mail: e	E-mail: e

YOUR Project Number: 31402218 000

YOUR Project Name: Westchester County Airport (WCA)

YOUR PO#:

Turn-Around Time
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- RUSH - Five Day ☐
- Standard (6-9 Day) ☒
- PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Mike Reiff

Samples Collected by: (print AND sign your name)

Matrix Codes
- S - soil / solid
- [✓ GW - groundwater]
- DW - drinking water
- WW - wastewater
- O - Oil
- Other

Samples From
- New York ☒
- New Jersey ☐
- Connecticut ☐
- Pennsylvania ☐
- Other:

Report / EDD Type (circle selections)
- Summary Report
- QA Report
- CMDP
- Standard Excel EDD
- [✓ NY ASP B Package]
- CT RCP
- CT RCP DQA/DUE
- NJDEP Reduced Deliverables
- Other:
- ~~EQuIS (Standard)~~
- [✓ NYSDEC EQuIS]
- NJDKQP
- NJDEP SRP HazSite

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
~~Mw~~	—	—	PFAS 1633	2 P	
MW-56D	GW	4/29/24 1030	↓	↓	
MW-54S	↓	↓ 1100	↓	↓	
MW-54D	↓	↓ 1135	↓	↓	
MW-55S	↓	↓ 1230	↓	↓	
MW-55D	↓	↓ 1245	↓	↓	
MW-56S	↓	↓ 1330	↓	↓	
MW-60	↓	↓ 1500	↓	↓	
Field Blank	DI	↓ 1515	↓	↓	
Trip Blank	↓	— —	8260 full list	3 4	

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction
- Field Filtered ☐
- Lab to Filter ☐

1. Samples Relinquished by / Company	Date/Time 4/29/24 1530	1. Samples Received by / Company Marree York	Date/Time 4/30/24 10:am	2. Samples Relinquished by / Company Marree York	Date/Time 4/30/24
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time 4/30/24 1557 Temperature 4.2 Degrees C